SONY. DVD RECORDER DVO-1000MD



▲ 警告

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、 人身事故につながることがあります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

AWARNING from the state of the

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

WARNUNG OF THE COLUMN P

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

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Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

CLASS 1 LASER PRODUCT
LASER KLASSE 1 PRODUKT
LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

This DVD Recorder is classified as a CLASS 1 LASER PRODUCT.

Voor de klanten in Nederland

Gooi de batterij niet weg maar lever deze in als klein chemisch afval (KCA).



For the customers in Taiwan only



Für Kunden in Deutschland

Entsorgungshinweis: Bitte werfen Sie nur entladene Batterien in die Sammelboxen beim Handel oder den Kommunen. Entladen sind Batterien in der Regel dann, wenn das Gerät abschaltet und signalisiert "Batterie leer" oder nach längerer Gebrauchsdauer der Batterien "nicht mehr einwandfrei funktioniert". Um sicherzugehen, kleben Sie die Batteriepole z.B. mit einem Klebestreifen ab oder geben Sie die Batterien einzeln in einen Plastikbeutel.

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Manual Structure

Purpose of this manual

This manual is the service manual of DVD recorder DVO-1000MD. This manual is intended for use by trained system and service engineers, and describes the information required for parts-level service.

Related manuals

Beside this Service Manual, the following manuals are available for the unit. For obtaining, contact your local Sony Sales Office/Service Center.

- Operating Instructions (Supplied with DVO-1000MD)
 This manual describes how to operate the DVO-1000MD.
- Protocol Manual (Included in the CD-ROM supplied with DVO-1000MD)
 This manual describes the protocol for controlling the DVO-1000MD.
- "Semiconductor Pin Assignments" CD-ROM (Available on request)
 This "Semiconductor Pin Assignments" CD-ROM allows you to search for semiconductors used in Broadcast and Professional equipment.

 The service manual contains a complete list of semiconductors and their ID Nos., and thus should be used together with the CD-ROM.
 Part number: 9-968-546-XX

Trademark

Trademarks and registered trademarks used in this manual are follows.

• i.LINK and i are the trademark of SONY Corporation.

Contents

The following are summaries of the each section for understanding the manual.

Section 1 Installation

This section describes the operational environment, power supply, accessories, information of the connectors and cables required for connecting other devices, and USB driver.

Section 2 Periodic Check and Inspection

This section describes the periodical inspection list and hours meter.

Section 3 Service Overview

This section describes the cautions when handling hard disc drive (HDD), cautions when handling DVD, how to remove the disc without ejecting it, layout and functions of the main parts, circuit overview, functions of the on-board switches, devices and measuring instruments to be used, about circuit protection parts, about lead-free solder, and about the backup batteries.

Section 4 Error Messages

This section describes error messages and countermeasures.

Section 5 Maintenance Menu

This section describes the menu organization and operational procedures for maintenance.

Section 6 Removing/Installing the Main Parts

This section describes the removal and installation of the main parts.

Section 7 Electrical Alignment

This section describes the video level adjustment of the DVO-1000MD.

Section 8 Spare Parts

This section describes the spare parts list.

Section 9 Semiconductor Pin Assignments

Contains information on semiconductors used for the unit.

It includes a complete list of the semiconductors and their ID Nos. for retrieving information on "Semiconductor Pin Assignments" CD-ROM, which is available separately.

Please refer to this section together with the "Semiconductor Pin Assignments" CD-ROM.

Section 10 Block and Schematic Diagrams

This section describes the overall block diagram (including the frame diagram information) and the schematic diagram for every circuit board.

Section 11 Board Layouts

This section describes the mounting diagram for every circuit board.

Section 1 Installation

1-1. Operating Environment

Operating temperature: +5 °C to +40 °C Operating humidity: 20 % RH to 80 % RH

(no condensation)

Storage temperature:

-20 °C to +60 °C 75 % RH or less

Storage humidity:

(no condensation)

Mass:

Approx. 6.0 kg

Power Supply

1-2-1. Power Specifications

This unit's power line has a switching regulator.

CAUTION

Be sure to operate the unit within the range of following power voltage.

Power voltage:

AC 100 to 240 V \pm 10 %

Power frequency:

50 Hz or 60 Hz Current consumption: 0.56 A to 0.28 A

Rush current:

15 A (power voltage 100 V)

40 A (power voltage 240 V)

Note

AC power supply is required a capacity which is commensurate with rush current.

If the capacity of the AC power supply is not enough, the breaker of AC power of a supply side may operate or this unit may not operate normally.

1-2-2. Recommended Power Cord

The power cord is not supplied with the DVO-1000MD. To get a power cord, please contact your local Sony Sales Office/Service Center.

WARNING

- Use the approved Power Cord (3-core mains lead)/ Appliance Connector/Plug with earthing-contacts that conforms to the safety regulations of each country if applicable.
- Use the Power Cord (3-core mains lead)/Appliance Connector/Plug conforming to the proper ratings (Voltage, Ampere).

If you have questions on the use of the above Power Cord/ Appliance Connector/Plug, please contact your local Sony Sales Office/Service Center.

WARNING

Please use the following power supply cord.

With connectors (plug or female) and cord types other than those indicated in this table, use the power supply cord that is approved for use in your area.

	United States	Canada
Plug Type	HOSPITAL GRADE*	HOSPITAL GRADE*
Female end	E62405, E35708	LR53182, LL022442, LL088408
Cord type	E159216, E35496 Min.Type SJT Min.18 AWG	LL112007-1, LL20262, LL32121, LL84494 Min.Type SJT Min.18AWG
Minimum cord set rating	10A/125V	10A/125V
Safety approval	UL Listed	CSA

^{*:} Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "Hospital Only" or "Hospital Grade".

1-3. Accessories

The DVO-1000MD consists of the following parts:

- · DVO-1000MD unit (1)
- · CD-ROM for PC (including the instruction manual in thirteen languages and Protocol Manual in two languages) (1)
- Warranty (1)
- · DVD Editing software "DVD InfoEditor" (1)

1-4. Optional Accessories

The optional accessories of the DVO-1000MD are as follows:

· Remote Control Unit SVRM-100A

1-5. Matching Connectors

1-5-1. Matching Connectors and Cables

Use the following connectors, cables or equivalents when connecting cables to the unit.

Panel indication	Matching connector and	cable
	Name	Sony part No.
VIDEO IN	BNC, MALE	1-560-069-11
S-VIDEO IN	_	Available on market.
AUDIO IN L/R	PIN PLUG	Available on market.
REMOTE IN	D-sub 9-pin	9-pin to 9-pin cross cable. (Available on market.)
VIDEO OUT	BNC, MALE	1-560-069-11
S-VIDEO OUT	_	Available on market.
AUDIO OUT L/R	PIN PLUG	Available on market.
i.LINK (DV IN)	VMC-IL6615 (1.5 m) VMC-IL6635 (3.5 m)	Available on market.
USB	USB type B receptacle	Available on market. (5 m or less)
MONITOR AUDIO	PIN PLUG	available on market.

1-5-2. Input/Output Signals of the Connectors

Analog video inputs

- VIDEO IN (BNC type \times 2, loopthrough with 75 Ω automatic terminator) Composite, 1.0 V p-p,75 Ω , sync negative
- S-VIDEO IN (4-pin mini DIN × 2, loop-through with 75 Ω automaticterminator)
 Y: 1.0 V p-p, C: 0.286 V p-p (NTSC), 0.3 V p-p (PAL), color burst, 75 Ω, sync negative

Analog audio inputs

• AUDIO IN L/R (Phono jack \times 1 for each channel) 2 Vrms (Full bit), input impedance 47 k Ω or more, unbalanced

Digital signal

• DV IN (i.LINK): 6-pin

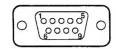
Analog video outputs

- VIDEO OUT (BNC type \times 1) Composite, 1.0 V p-p, 75 Ω , sync negative
- S-VIDEO OUT (4-pin mini DIN \times 1) Y: 1.0 V p-p, C: 0.286 V p-p (NTSC), 0.3 V p-p (PAL), color burst, 75 Ω , sync negative

Analog audio outputs

- AUDIO OUT L/R (Phono jack \times 1 for each channel)
 - 2 Vrms (Full bit), load impedance 47 k Ω , unbalanced
- MONITOR AUDIO (Phono jack × 1)
 - 2 Vrms (Full bit), load impedance 47 k Ω , unbalanced

REMOTE IN RS-232C: RS-232C (D-sub 9-pin, Female) to Terminal



- EXT VIEW -

Pin No.	Signal name	Function
1	DC5V	+5 V (at SETUP MENU KEYBOARD ON)
2	RXD	Received data
3	TXD	Transmitted data
4	DTR	Data terminal ready
5	SGND	Ground
6	DSR	Data set ready
7	RTS	Request to send (*1)
8	CTS	Clear to send (*1)
9	_	_

(*1): Pins 7 and 8 are internally connected together on the DPR-254 board.

S-VIDEO IN/OUT: Mini DIN 4-pin (Female) × 2



- EXT VIEW -

Pin No.	Signal name	Function
1	A GND	
2	A GND	
3	Υ	
4	С	

: USB Type B



- EXT VIEW -

Pin No.	Signal name	Function
1	VBS	USB Vcc
2	D-	USB-
3	D+	USB+
4	GND	Ground

: i.LINK



- EXT VIEW -

Pin No.	Signal name	Function	
1	CPS	VP	
2	GND	VG	
3	TPB1N	TPB1n	
4	TPB1P	TPB1p	
5	TPA1N	TPA1n	
6	TPA1P	TPA1p	

1-6. Installing the USB Driver

To control this unit from the PC via USB, the USB driver should be installed in the PC beforehand.

For information on obtaining the USB driver, please contact Sony Sales Office/Service Center.

For the installation procedures, follow the Readme file in the location where the USB driver is stored.

Section 2 Periodic Check and Inspection

2-1. Periodic Check List

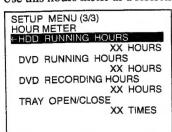
This list does not indicate the warranty period of the parts.

The replacement time varies depending on the operation environment and the condition of the unit. For location of parts, refer to "3-4. Location of Main Parts and Functions".

Replaced parts	Hours meter	Replacement cycle	Part No.
HDD unit		About two years, or see HDD CHECK in MAINTENANCE MENU > DISK INFOR- MATION > HDD When CONDITION : 3 is indicated	A-1088-118-*
DVD drive	DVD RUNNING HOURS DVD RECORDING HOURS TRAY OPEN/CLOSE	→ 12000H → 1500H → 2000 times When one of these conditions is exceeded	A-1088-119-*
Lithium battery (CR2032)	-	About three years, or the "LOW BATTERY" message is displayed	1-528-174-11

2-2. Hours Meter

An hours meter can display on the LCD the cumulative period of using the hard disc and DVD drive, and the cumulative period of recording the DVD drive, and the number of opening/closing the tray. Use this hours meter as a reference in performing the periodic check.



ltem	Setting	Function
HDD RUNNING HOURS	Display only	Displays the HDD's cumulative period of use
DVD RUNNING HOURS	Display only	Displays the DVD drive's cumulative period of use
DVD RECORDING HOURS	Display only	Displays the DVD drive's cumulative period of record
TRAY OPEN/CLOSE	Display only	Displays the tray's cumulative number of opening and closing

Display procedure

For the details of operating the menu, refer to "Menu" in the Instruction Manual.

- 1. From the menu, select "SETUP MENU".
- 2. From "MENU GRADE", select "ENHANCED" to display the enhanced sub-menu.
- 3. From the enhanced sub-menu, select "HOURS METER".

Section 3 Service Overview

3-1. Precautions when Handling the Hard Disc Drive and DVD Drive

Hard Disc Drive (HDD) and DVD Drive are installed in this unit.

These are precision parts. Therefore, Data in the HDD or HDD/DVD drive itself are easily damaged by the causes such as shock, vibration, static electricity, bad conditions of temperature and humidity. When repairing this unit, read fully the following cautions, and perform the operation with extra care.

No shock or vibration

When transporting or moving;

- · Pack the unit using the packaging materials specified by the manufacturer.
- · Use a proper cart.
- · Put a cushion* on the cart.
- · Avoid rough routes, and manage the cart gently.
- *: Cushlon: Polyethylene foam (density: 10 kg/m³, surface intrinsic resistance: 1011 to 1012 Ω, thickness: 20 mm) or equivalent.

When placing on a floor or a table;

- Put a cushion on stable and horizontal place, and put the unit on it gently.
- · Do not place the unit near vibrating equipment.

For the unit, HDD and DVD drive;

- · Do not hit the unit by tool.
- Do not drop the tool on the unit.

Take extra care;

 Do not give vibration or shock to the unit while the power is turned on, or within about 30 seconds after turning off the power.

Rack mounting

- · Be careful not to give shock to the unit with HDD/DVD drive in the rack.
- · If other HDD/DVD drive-equipped unit is in the rack, be sure to turn off the power of the unit.

No static electricity

- · Keep static-producing items such as plastics away from the working area.
- When you touch an HDD or DVD drive, be sure to wear a grounded earth-band to protect against static electricity.

Temperature and humidity

 Temperature and humidity of storage and operating condition must be kept within the correct specified range.

When an error appears in an HDD or DVD drive

- Treat the HDD or DVD drive conform to the above cautions, even when an error appeared.
- Keep the HDD or DVD drive in the condition in which the error appeared, and record the details of the
 error.

3-2. Removing the Disc Without Ejecting

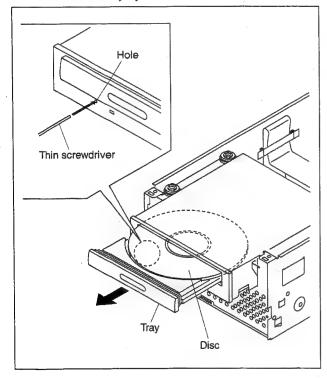
Tool: Thin screwdriver (diameter: 1.5mm or less) or solid wire

1. Turn off the power and unplug the power cord from the wall outlet.

Note

Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Remove the front panel. (Refer to Section 6-2.)
- 4. Insert a thin screwdriver or the like into the hole and push out the tray.
- 5. Draw out the tray by hand, and remove the disc.



3-3. Notes for Replacing Parts

Be sure to use the specified flexible card wires for replacement of board and connected flexible card wire.

If an unspecified part is used, the unit may not work correctly due to change in characteristics.

When replacing one of the following boards, if the insulator (reinforcement plate) of the connected flexible card wire is blue, replace the flexible card wire with a new one with a green insulator.

The flexible card wire with a green insulator does not have to be replaced.

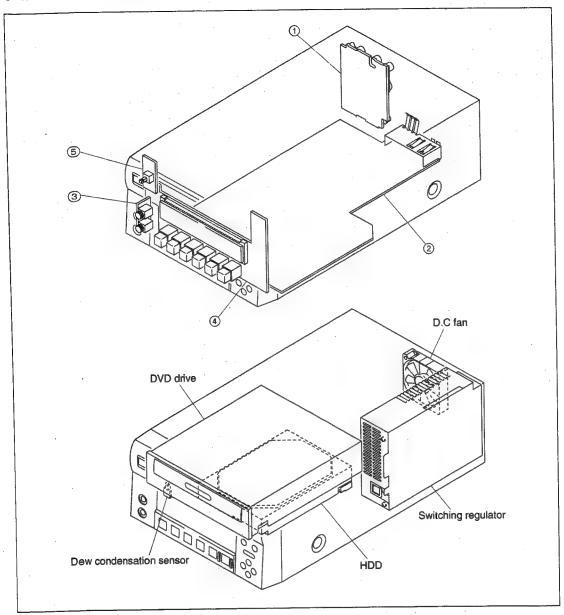
When replacing one of the following flexible card wires, replace it with the following flexible card wires with a green insulator (reinforcement plate). Do not use the flexible card wire with a blue insulator.

BOARD	CONNECTOR	
	20PIN	30PIN
PR-254	CN902, CN903	CN906
CP-389	-	CN9
(Y-568	CN101, CN102	_

Specified Parts Insulator: Green

1-831-018-11 CABLE, FLEXIBLE FLAT (20 CORE) 1-831-022-11 CABLE, FLEXIBLE FLAT (30 CORE)

3-4. Location of Main Parts and Functions



No.	Parts name	Description
①	CP-389 board	Video Input/Output, Audio Input/Output
2	DPR-254 board	Digital Process, i.LINK, RS-232C, USB
3	JK-74 board	REMOTE connectors
4	KY-568 board	Key Operation Panel
<u> </u>	PSW-84 board	Power switch

3-5. Circuit Overview

1. Signal Processor

(1) Recording system

The analog video signal from VIDEO IN/S-VIDEO IN is input into the CP-389 board through the video decoder IC (IC209). The microcomputer (IC104) detects that the S-VIDEO cable is connected. The signal is automatically switched through the I²C controller (IC801).

The video decoder IC (IC209) demodulates the analog video signal and converts it to digital. The video decoder outputs the signal in the same ITU-RBT.656 format as the clock.

PHY IC (IC402) makes the serial digital signal from i.LINK (DV IN) parallel and inputs the signal to Link IC (IC501). Link IC (IC501) switches the DV compression signal to digital video and audio data. Link IC (IC501) controls the clock generated (IC504) with PWM control and generates a video/audio clock simultaneously with the i.LINK input signal. The video data is synchronized with this clock and output as ITU-BT.656 format.

This video data and clock are input into MPEG CODEC IC (IC601) through the switch that enables switching with the output from the video decoder IC (IC209).

The clock for recorded audio data (256FS) divides and generates through PLL (IC813) the video clock selected by the video data toggle switch (IC802). The analog video signal from AUDIO IN is synchronized to this clock (256FS) and sampled through the audio A/D converter (IC304).

To conform to the data format and sample route, the audio data from Link IC (IC501) first passes through SRC IC (IC503). It then passes through the switch that enables switching with the audio output from audio A/D converter (IC304), and is input to MPEG CODEC IC (IC601).

The video and audio data input from MPEG CODEC IC (IC601) is internally synchronized with the master clock (X803: 27 MHz) and output as playable data. The video and audio data is encoded into MPEG2 data and sent to the ATA controller IC (IC701). ATA controller IC (IC701) writes this MPEG2 data to the HDD or DVD drive.

(2) Play system

ATA controller (IC701) reads the MPEG2 data from the HDD or DVD and forwards it to MPEG CODEC IC (IC601).

MPEG CODEC IC (IC601) decodes this MPEG2 data, synchronizes it with the master clock (X803: 27 MHz), and outputs it as video and audio data.

The video data is input into video D/A converter IC (IC205), where the digital data is converted to analog and modulated. The data is then output from the VIDEO OUT/SVIDEO OUT terminal on the CP-389 board as composite or S-Video signal. Audio data is input into the audio D/A converter and converted from digital to analog. The data is then output from the audio output L-CH and R-CH on the CP-389 board. The three types of monitor audio output (L-CH, R-CH, and L-CH+R-CH) become selectable from the microcomputer (IC104).

2. System Control

The main control microcomputer (IC104) on the DPR-254 board controls the signal processor IC. The microcomputer controls MPEG CODEC IC (IC601), ATA controller IC (IC701), and Link IC (IC501).

The serial communication from the microcomputer (IC104) controls audio A/D converter (IC304), video decoder (IC209), and video D/A converter (IC205) through I²C controller (IC801). The microcomputer (IC203) on the KY-568 board is also connected to the serial communication.

The microcomputer (IC203 on the KY-568 board (know hereafter as KY microcomputer) controls RTC (IC201), EEPROM (IC205), and VFD controller (IC301), while detecting the control and sensor from each remote control unit.

RS232C control connects to the KY microcomputer (IC203) through the RS232C driver (IC901) on the DPR-254 board. The 1 pin is controlled by the KY microcomputer (IC203) when a +5V current is supplied to the setup. The USB controller also passes through the DPR-254 board and is controlled by the KY microcomputer (IC203).

The controller for remote control and the foot switch are connected to the JK-74 board. The KY microcomputer (IC203) watches the movement of this signal. When the MAIN POWER switch is turned ON, the power supply sends a +3.3V current to the KY microcomputer (IC203). The front standby lamp lights up, and the power switch information controls the power unit.

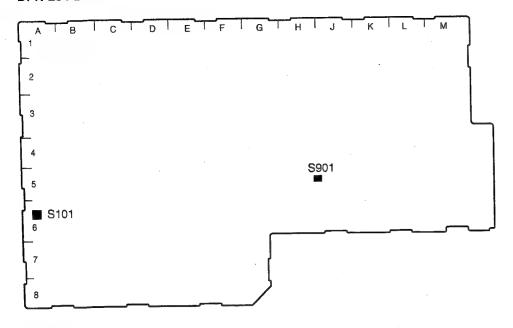
RTC (IC201) is backed up with the button battery (BT202). The KY microcomputer (IC203) monitors the battery voltage.

A temperature sensor is affixed to the HDD front panel with a screw. It is connected to and monitored by the KY microcomputer through DPR-254.

The stop signal from the fans attached to the rear panel passes through the CP-389 and DPR-254 boards. It then connects to the KY microcomputer (IC203), where the fan stoppage is monitored.

3-6. Function of Switches on Circuit Board

DPR-254 board



Note

Do not change the setting of the factory use switches.

Ref. No.	Bit	Name	Description	Factory settting
S901 (H-5)	1	KY	Factory use	OFF
,	2	POW	Factory use	OFF
S101 (A-6)		RESET	Used to reset the CPU.	_

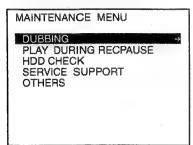
3-7. Software Version Upgrade

The following steps explain how to upgrade the DPR-254 board software. Refer to section 5-2 for how to operate the menu.

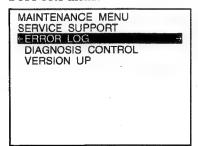
Preparation: If the upgrade CD-ROM is required, please contact your local Sony Sales Office/Service Center.

Notes

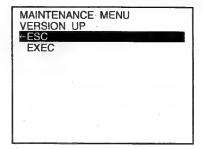
- Check the current version of the board before upgrading. (Refer to Section 5-3-5.)
- Insert the upgrade CD-ROM into the disc tray when noted in the procedures. "Disc cannot be read" appears if the disc is inserted early.
- Press the ← button and MENU button simultaneously to enter the MAINTENANCE menu.



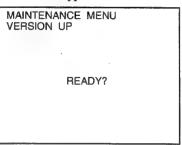
Select the SERVICE SUPPORT menu with the ↓
button, and press the → button to enter the SERVICE
SUPPORT menu.



3. Select the VERSION UP menu with the ↓ button, and press the → button to enter the VERSION UP menu.



- 4. Select EXEC with the ↓ button.
- Press the OPEN/CLOSE key to open the disc tray and insert the upgrade CD-ROM.
- Press the SET button. The confirmation message "READY?" appears.



Press the SET button again. The tray automatically closes and the upgrade begins.

The screen below appears during upgrading.

Note

Do NOT open the disc tray or turn off the power until "COMPLETE!" appears.

The upgrading will take approximately three minutes.

MAINTENANCE MENU
VERSION UP

THIS UNIT IS
IN VERSION UP MODE.
POWER OFF WHEN
COMPLETE ALL PROGRAM.

 When the upgrading finishes, "COMPLETE!" appears and the tray opens automatically.
 Remove the CD-ROM and turn off the front power switch. Note

The following error messages may appear during upgrading. Check the countermeasures noted below.

Messages during upgrading

Message		Meaning/countermeasures
Front panel display	Monitor screen	
Ver UP!	THIS UNIT IS IN VESION UP MODE.	While downloading the upgrade
	POWER OFF WHEN COMPLETE	
	ALL PROGRAM.	
NO DISC	THERE IS NO DISC.	There is no disc in the closed tray during download mode.
	INSERT A VERSION UP DISC.	Remedy: Insert the download disc and close the tray.
Not supported!	DISC NOT BE USABLE.	A disc other than the download disc is inserted.
	INSERT A VERSION UP DISC.	Remedy: Insert the correct download disc.
Read ERROR	DISC READ ERROR	An error occurred reading the CD-R while upgrading.
		Remedy: There is a problem with the download disc.
		Replace the download disc.

3-8. Circuit Protection Parts (Fuse/IC Link)

The circuit protection parts such as fuse and IC link are mounted on the CP-389, DPR-254 and KY-568 boards.

WARNING

- The fuse and IC link are important parts for ensuring safety.
 - Replacement with parts other than those designated will result in fire hazards and electric hazards. Therefore be sure to use only designated parts.]
- If the replacement work for fuse or IC link is attempted with the power ON, this may result in electric shock.
 When replacing the fuse or IC link, not only turns off the power of the unit but disconnects the power cord connected to the POWER connector.

Board	Ref. No.	Description	Part No.
CP-389	F1	FUSE (SMD) 0.8 A/125 V	₾ 1-576-327-21
DPR-254	F901	FUSE (SMD) 0.8 A/125 V	₾ 1-576-327-21
•	PS901	IC LINK 2.0 A/72 V	₾ 1-533-282-21
-	PS902	IC LINK 4.0 A/72 V	₾ 1-576-677-21
	PS903	IC LINK 0.8 A/72 V	▲ 1-576-123-21
•	PS904	IC LINK 0.4 A/72 V	1-576-122-21 1 1
KY-568	F101	FUSE (SMD) 0.8 A/125 V	▲ 1-576-327-2 1
	PS101	IC LINK 0.8 A/72 V	₾ 1-576-123-21
	PS102		
	PS103		

3-9. Unleaded Solder

Boards requiring use of unleaded solder are printed with a lead free mark (LF) indicating the solder contains no lead. (Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)



Notes

- Be sure to use the unleaded solder for the printed circuit board printed with the lead free mark.
- The unleaded solder melts at a temperature about 40 °C higher than the ordinary solder, therefore, it is recommended to use the soldering iron having a temperature regulator.
- The ordinary soldering iron can be used but the iron tip
 has to be applied to the solder joint for a slightly longer
 time. The printed pattern (copper foil) may peel away if
 the heated tip is applied for too long, so be careful.

3-10. Backup Battery

WARNING

The lithium battery is critical part to safe operation. Replace the component with Sony part whose part number appears in the manual published by Sony. If the component is replaced by any part other than the specified ones, this may cause a fire or electric shock.

CAUTION

When replacing the lithium battery, ensure that the battery is installed with "+" and "-" poles connected to the correct terminals.

An improper connection may cause an explosion or leakage of fluid result in physical damage in the surrounding materials.

The KY-568 board has the built-in lithium data backup (BT202) battery as the countermeasure for power failure. The life of the lithium battery is about three years. Time to exchange the battery is displayed on the front panel display block and on the monitor display. Replace the battery when the following message appears just after turning on the power. When replacing, be sure to use the following specified part.

Time counter display block

ALARM

LOW BATTERY.

PLEASE CONTACT SERVICE

Front panel display

LOW BATTERY!

Replacement part:

BT202 (KY-568 board)

Description:

CR2032 (lithium battery)

Sony part number:

₾ 1-528-174-11

Recommended

Replacement interval:

About three years

Actions to take after replacing the backup battery

After replacing the backup battery, set the date and time again. Date and time are set at the DATA/TIME PRESET submenu in the SETUP MENU.

Refer to "Setting Date and Time" in the Instruction Manual for details.

3-11. EEPROM Contents in KY-568 Board

EEPROM (IC205) is mounted to the KY-568 board. The menu settings, serial number, and hours meter data are saved to the EEPROM.

3-12. Procedures after Replacement

KY-568 Board

Menu, serial number, the date and time, and hours meter must be reset when replacing the KY-568 board. Refer to "3-13. Setting the Serial Number/Resetting the Hours Meter" for more about setting the serial number and hours meter.

HDD

Initialize the new HDD after replacing the old one. (Refer to Section 3-14.) Also reset the hours meter.

DVD Drive

Reset the hours meter after replacing the DVD drive. (Refer to Section 3-13.)

3-13. Setting the Serial Number/Resetting the Hours Meter

This section describes how to reset the serial No. and hours meter after replacing the KY-568 board. The initializing (resetting) procedure of the hours meter is also explained.

Note

Record the value of the hours meter before replacing the KY-568 board.

3-13-1. Maintenance Command

1. Description of the command

- Insert a space in between each command.
- "complete" appears when the command is finished. "*** input error ***" appears when the command cannot be completed.

Change Settings/ Displayed Contents	Command 1	Command 2	Command 3	Explanation of Operations
Change Set ID	serial	Five digit	_	Changes the value of set ID to the
•		value		specified number
		(0 to 65535)		
Change HOUR METER	hmcir	_	-	Sets all of the HOUR METER to 0
	hm	dvd	Four digit	Sets the DVD drive HOUR METER
			value	to the specified number (hours)
			(0 to 9999)	
		hdd .	Four digit	Sets the HDD HOUR METER to the
			value	specified number (hours)
			(0 to 9999)	
		rec	Four digit	Sets the DVD drive Disc Write HOUF
			value	METER to the specified number
			(0 to 9999)	(hours)
		try	Five digit	Sets the number of Tray OpenClose
			value	to the specified number
			(0 to 65535)	

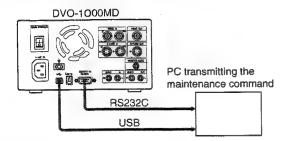
2. Command input examples

Command	Description		
>serial 12345(return)	Sets the Set ID to "12345" (If six or more digits are input, the first five digits will be		
complete.	used.)		
>hmclr(return)	Initializes all of the hours meters		
complete.			
>hm dvd 10(return)	Sets the DVD drive hours meter to "10"		
complete.	(If five or more digits are input, the first four digits will be used.)		
>hm hdd 0(return)	Sets the HDD hours meter to "0"		
complete.	(If five or more digits are input, the first four digits will be used.)		
>hm rec 1(return)	Sets the DVD drive Disc Write hours meter to "1"		
complete.	(If five or more digits are input, the first four digits will be used.)		
>hm try 65536(return)	An error is returned because the value is outside of the valid range (65536 or more)		
*** input error ***			

3-13-2. Transmitting the Maintenance Command

1. Connection

The following diagram shows the connections for the unit and the PC (for command transmission).



Note

 Use an I/F different than the one used for the REMOTE I/F specified on the SETUP MENU.

REMOTE I/F Setting	I/F for Command Transmission	
RS232C	USB	
USB	RS232	

· i.LINK I/F cannot transmit the maintenance command.

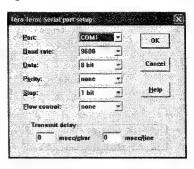
2. Preparation

- The "main_com.bin" file is required to send the maintenance command. For information on obtaining the
 "main_com.bin" file, please contact Sony Sales Office/
 Service Center.
- Copy the downloaded "maint_com.bin" into the folder installed by Tera Term Pro.
- Install Tera Term Pro onto the PC for maintenance command transmission beforehand.
 Install Tera Term Pro according to the setup instructions.

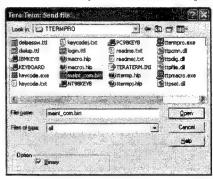
3. Tera Term Pro setup

Start Tera Term Pro.
If the "Tera Term: New connection" window appears
during startup, select "Serial" and set the COM channel
being used.

• Set the following information in [Serial port] in the [Setup] menu from the Tera Term Pro menu bar.



- 1 Set Port to the COM number being used.
- ② Set the value of the Baud rate to the same value as the DVO-1000MD have.
- 3 Set Data to "8bit".
- 4 Set Parity to "none".
- 5 Set Stop to "1bit".
- 6 Set Flow control to "none".
- Test both Transmit delay values to "0".
- Set the following information in [Send file] in the [File] menu from the Tera Term Pro menu bar.
 - 1 Check the Binary check box under Option.



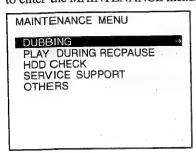
- ② Select "maint_com.bin" and click "Open".
- ③ The following message appears in the Tera Term Pro. The system enters maintenance mode.
 - *** BIX-155 maintenance monitor ***
- 4 Once in maintenance mode, maintenance commands can be transmitted and contents specified.
- After maintenance command setup completes, end Tera Term Pro. Turn off DVO-1000MD.
 Turn the power back on. Check that the specified contents appear in "MENU" or "MAINTENANCE MENU".

3-14. HDD Initialize

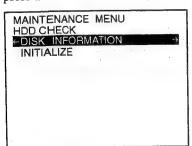
The following steps describe how to initialize the HDD when replacing it.

For how to operate the menu, refer to Section 5-2.

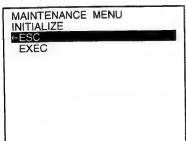
 Press the ← button and MENU button simultaneously to enter the MAINTENANCE menu.

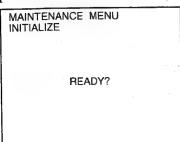


2. Select the HDD CHECK menu with the ↓ button, and press the → button to enter the HDD CHECK menu.



3. Select the INITIALIZE menu with the \downarrow button, and press the \rightarrow button to enter the INITIALIZE menu.





5. Press the SET button again.

The following screen appears during initialization. "COMPLETE!" appears when finished.

Note

Do NOT open the disc tray or turn off the power until "COMPLETE!" appears.

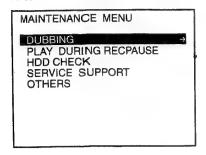
MAINTENANCE MENU
INITIALIZE

INITIALIZING THE HDD.
PLEASE WAIT.

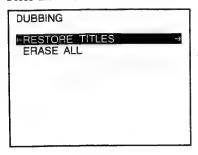
3-15. Title Dubbing

When the DVO-100MD records data on a DVD disc, the same data is recorded and retained in the HDD. The titles recorded in the HDD can be dubbed to another DVD disc in the following steps. For how to operate the menu, refer to Section 5-2.

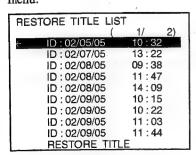
- 1. Press the OPEN/CLOSE button to open disc tray and insert a disc.
- Press the ← button and MENU button simultaneously to enter the MAINTENANCE menu.



3. Press the \rightarrow button to enter the DUBBING menu.

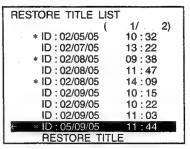


Press the → button to enter the RESTORE TITLES menu.

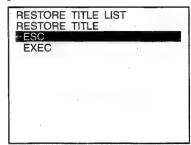


The title names are displayed in the recorded month/date/year/hour/minute/second by default.

5. Use the ↓ button to highlight the title you want to dub, and press the SET button to select.
An asterisk (*) appears next to the selected titles.
Press the SET button again to delete the selection.
The NEXT/DOWN and PREV/UP buttons scroll between multiple pages of titles. If the list of titles continues for several pages, use the NEXT/DOWN and PREV/UP buttons to scroll the pages. The titles are dubbed to the DVD disc in the selected order.



6. After selecting the titles, select RESTORE TITLE and press the → button.

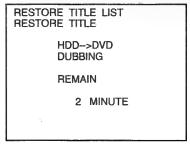


7. Select EXEC with the ↓ button and press the SET button. The confirmation message "READY?" appears.



8. Press the SET button again.

The remaining time appears during dubbing as shown below. "COMPLETE!" appears when finished.



Note

The following error message appears if there is not sufficient disc space. Use another disc with sufficient unused space, or check the countermeasures noted below.

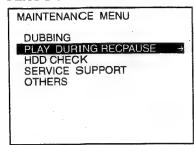
Messages during dubbing

Message Front panel display Monitor screen		Meaning/countermeasures	
•		Remedy: Delete titles not needed on the disc, or	
		reselect the titles used during dubbing.	
index FULL!	TOO MANY INDEXES.	Number of indexes exceeds the limit (254 max.)	
		Remedy: Delete titles not needed on the disc, or	
		reselect the titles used during dubbing.	
DISC FULL!	DISC REMAIN AREA IS	Insufficient free space on the disc.	
	NOT ENOUGH.	Remedy: Delete titles not needed on the disc, or	
		reselect the titles used during dubbing.	

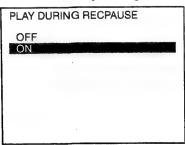
3-16. PLAY DURING RECPAUSE

Normally, the DVO-1000 closes the title immediately when playback operation is performed during the REC PAUSE state. The following menu setting enables the playback operation while holding the REC PAUSE state. After the playback is finished, the REC PAUSE state is restored, and after the PAUSE is canceled, the recording resumes as a chapter.

Press the ← button and the MENU button simultaneously to enter the MAINTENANCE menu.
 Press the ↓ button to highlight PLAY DURING RECPAUSE, and press the → button to enter the PLAY DURING RECPAUSE menu.



2. Select ON/OFF by moving the cursor with the \downarrow button, and press the SET button.



Item name	Contents	Setting
PLAY DURING RECPAUSE	Selects whether or not to enable playback operation during REC PAUSE.	OFF: Normal setting ON: Enables playback operation during REC PAUSE.

To terminate the playback operation during the REC PAUSE hold state, press the STOP button. Pressing the STOP button establishes the REC PAUSE state. To close the title, press the STOP button during the REC state, or open the tray during the REC PAUSE hold state.

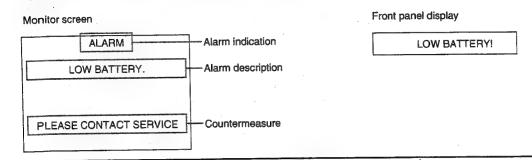
Note

When PLAY DURING RECPAUSE is set to ON, the PRE REC function of the SETUP MENU operates in the OFF state, and the RECPAUSE INDEX function of the SETUP MENU operates in the ON state regardless of the setting. The REPEAT operation is prohibited.

Section 4 Error Messages

This unit has a self-diagnostic function for internal abnormalities, and an alarm function during operation. Abnormality and alarm messages are displayed on the front panel display and the monitor screen.

4-1. Description of Alarm Message Displays



Message		Meaning/countermeasures	
Front panel display	Monitor screen		
LOW BATTERY!	LOW BATTERY. PLEASE CONTACT SERVICE.	The battery is low. Replacement is required. The display disappears by pressing a desired button. Remedy: Replace the battery (BT202/KY-568 board). (Refer to Section 3-10.)	
HUMIDI	MOISTURE HAS BEEN DETECTED. KEEP THE POWER ON AND WAIT UNTIL THIS INDICATION GOES OFF.	Display while moisture is detected. Remedy: Do not insert a disc until this message disappears.	
DISC FULL!	DISC FULL. USE ANOTHER DISC.	No more disc space. The display returns to normal in five seconds. Remedy: Replace the disc with the one that has a sufficient space.	
Title FULLI	TITLE FULL. USE ANOTHER DISC.	Number of titles exceeded 49. The display returns to normal in five seconds. Remedy: Replace the disc with the one that has a sufficient space.	
Index FULL!	INDEX FULL. USE ANOTHER DISC.	Number of indices exceeded 254. The display returns to normal in five seconds. Remedy: Replace the disc with the one that has a sufficient space.	
99 indexes!	99 INDEXES. MAKE A NEW TITLE.	Number of indices exceeded 99 in the title. The display returns to normal in five seconds. Remedy: Create a new title.	
NO AB POINT!	NO A, B POINT. SET THE A&B POINT	In the repeat function between desired two points, either A or B is not specified. The display returns to normal in five seconds. Remedy: Set points A and B at REPEAT A-B in the REPEAT FUNCTION menu.	
Protected	THIS TITLE IS PROTECTED.	An attempt was made to delete a protected title. The protected title cannot be deleted. The display returns to normal in five seconds.	
Can't REC!	CANNOT RECORD THIS SIGNAL.	An attempt was made to record a prohibited signal. The display returns to normal in five seconds. Remedy: Input a signal other then the prohibited signal.	
REGION CODE!	PLAYBACK PROHIBITED BY REGION CODE.	An attempt was made to play back the disc of which region code is different. The message disappears when the tray is opened. Remedy: Set the region code that matches the disc in REGION CODE of SETUP MENU.	
KEY INHIBIT!	KEY INHIBIT MODE IS SELECTED. SET KEY INHIBIT MENU TO OFF	The main unit is in the KEY INHIBIT state. Displayed while the button is pressed. Remedy: Turn off the KEY INHIBIT in SETUP MENU.	

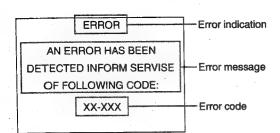
Message	· .	Meaning/countermeasures	
Front panel display	Monitor screen		
ILL. SET UP!	ABNORMAL SETTINGS SELECTED IN SETUP MENU. SET ITEMS IN THE SETUP MENU TO THE APPROPRIATE VALUES. CONTACT SERVICE IF THIS ALARM APPEARS AGAIN AFTER ABOVE PROCEDURE.	SETUP MENU setting is incorrect. The display disappears by pressing a desired button. Remedy: Reconfigure the setting in the SETUP MENU.	
NO DISC!	NO DISC INSERT A DISC	No disc is inserted. The display returns to normal in five seconds. Remedy: Insert a disc.	
PAL DISC!	CANNOT BE PLAYED BACK. USE DISC WITH NTSC RECORDING.	A disc recorded in PAL is inserted in the NTSC unit. The display disappears by pressing a desired button. Remedy: Insert the disc recorded in NTSC.	
NTSC DISC!	CANNOT BE PLAYED BACK. USE DISC WITH PAL RECORDING.	A disc recorded in NTSC is inserted in the PAL unit. The display disappears by pressing a desired button. Remedy: Insert the disc recorded in PAL.	
Not supported!	NOT SUPPORTED DISC. USE DVD+RW DISC.	A disc that cannot be used on the main unit is inserted. The message disappears when the tray is opened. Remedy: Insert the DVD+RW disc that can be used on the DVO-M1000MD.	
LOADING ERROR!	LOADING TIME OVER	The disc cannot be recognized. The message disappears when the tray is opened. Remedy: Check the disc status, or replace the disc.	
DISC ERROR!	DISC ERROR CHANGE THE DISC	Failed to access the disc. The message disappears when the tray is opened. Remedy: Check the disc status, or replace the disc.	
Recovery	RECOVERING THE DISC. PLEASE WAIT.	Indicates that the disc is being recovered.	
Can't Recover!	CAN NOT RECOVER. CHANGE THE DISC	Failed to recover the disc. The message disappears when the tray is opened. Remedy: Replace the disc.	
Finalizing	FINALIZING THE DISC. PLEASE WAIT.	Indicates that the disc is being finalized.	
Fin, Failed!	CANNOT FINALIZE THIS DISC CHECK THE DISC.	Failed to finalize the disc. The display returns to normal in five seconds. Remedy: Check the disc.	
Formating	FORMATING THE DISC. PLEASE WAIT.	Indicates that the disc is being formatted.	
Init. Failedl	CANNOT FORMAT THIS DISC.	Failed to format the disc. The message disappears when the tray is opened. Remedy: Replace the disc.	
Can't ERASE!	CANNOT ERASE THIS INDEX MARK	The index cannot be erased. The display returns to normal in five seconds. Remedy: Disable the AUTO CHAPTER setting in the SETUP MENU. Note The index mark cannot be erased if the title that contains the chapter that you want to erase contains only one chapter.	

Message	·	Meaning/ countermeasures	Operation at error	Display period	
Front panel display	Monitor screen	countermeasures			
Can't Recover!	CAN NOT RECOVER. CHANGE THE DISC 41-001	Cannot repair the disc.	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Can't Recover!	CAN NOT RECOVER. CHANGE THE DISC 41-002	Cannot recover the disc.	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the unit restarts.	
Not supported!	ALARM NOT SUPPORTED DISC. USE DVD+RW DISC. 41-100	Status failure upon disc judgment	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC. USE DVD+RW DISC. 41-101	Timeout upon disc judgment	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC. USE DVD+RW DISC. 41-110	Disc Table Read address failure	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC. USE DVD+RW DISC. 41-120	Impossible DISC type data	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC. USE DVD+RW DISC. 41-121	Impossible TV_Sys (NTSC/PAL) data	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC. USE DVD+RW DISC. 41-123	impossible region code (When judge as not possible to reproduce)	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC. USE DVD+RW DISC. 41-124	Copy-protected (CGMS)	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC. USE DVD+RW DISC. 41-125	The number of titles is 0 or less, or 50 or more	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC. USE DVD+RW DISC. 41-126	The number of chapters is 0 or less, or 255 or more.	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC USE DVD+RW DISC. 41-128	The number of indices is 0 or less, or 255 or more.	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Not supported!	ALARM NOT SUPPORTED DISC USE DVD+RW DISC. 41-129	The free disc space is 0 or less, or MaxSize or more.	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	

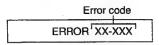
Message		Meaning/ countermeasures	Operation at error	Display period	
Front panel display	Monitor screen	countermeasures			
DISC ERROR!	ALARM DISC ERROR. CHANGE THE DISC. 41-200	Disc Write Addr ERROR	Displays alarm and reset.	Displayed until the unit restarts.	
DISC ERROR!	ALARM DISC ERROR. CHANGE THE DISC. 41-210	Status failure upon DVD Write command	Displays alarm and reset.	Displayed until the unit restarts.	
DISC ERRORI	ALARM DISC ERROR. CHANGE THE DISC. 41-211	Address failure upon DVD Write command	Displays alarm and reset.	Displayed until the unit restarts:	
DISC ERRORI	ALARM DISC ERROR. CHANGE THE DISC. 41-212	Status response timeout upon DVD Write com- mand	Displays alarm and reset.	Displayed until the unit restarts.	
DISC ERRORI	ALARM DISC ERROR. CHANGE THE DISC. 41-220	Status failure upon DVD Read command	Displays alarm and reset.	Displayed until the unit restarts.	
DISC ERRORI	ALARM DISC ERROR. CHANGE THE DISC. 41-221	Address failure upon DVD Read command	Displays alarm and reset.	Displayed until the unit restarts.	
DISC ERRORI	ALARM DISC ERROR. CHANGE THE DISC. 41-222	Status response timeout upon DVD Read com- mand	Displays alarm and reset.	Displayed until the unit restarts.	
DISC ERRORI	ALARM DISC ERROR. 41-230	Status failure upon OPC command	Displays alarm and reset.	Displayed until the unit restarts.	
DISC ERROR!	ALARM DISC ERROR. CHANGE THE DISC. 41-232	Status response timeout upon OPC command	Displays alarm and reset.	Displayed until the unit restarts.	
init. Failedi	ALARM CANNOT FORMAT THIS DISC. 41-510	Status failure upon disc formatting	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Init. Failed!	ALARM CANNOT FORMAT THIS DISC. 41-511	Status response timeout upon disc formatting	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Init. Failed!	ALARM CANNOT FORMAT THIS DISC. 41-520	Status failure upon disc finalizing	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	
Init. Failed!	ALARM CANNOT FORMAT THIS DISC. 41-521	Status response timeout upon disc finalizing	Displays alarm and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.	

4-2. Description of Error Message Displays

Monitor screen



Front panel display



Error code	Meaning/ countermeasures	Operation at error	Display period
36-000	Fan motor rotation failure	Displays error and normally operates.	Displayed while the error is detected.
40-000	HDD Read/Write failure (when checking one sector of 10GB)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed during the error
40-500	HDD file system failure (RF ≠ RFBK)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.
40-501	HDD file system failure (FS RF Read ERROR)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.
40-502	HDD file system failure (FS ODE Read ERROR)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.
40-503	HDD file system failure (FS RFBK Read ERROR)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.
40-504	HDD work area failure (HDD WA Read ERROR)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.
40-505	Status failure upon HDD Read com- mand	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
40-506	Address failure upon HDD Read command	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
40-507	Status response timeout upon HDD Read command	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
40-508	NV_PACK Read Address ERROR upon VOBU head INT detection during playback	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
40-509	VTS Read address ERROR during playback	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
40-50A	FB Read address ERROR during playback	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.

Error code	Meaning/ countermeasures	Operation at error	Display period
40-50B	VTS Write Addr ERROR during editing	Displays the error, and stops after rereading the disc. Accepts a desired button.	Displayed until a desired button is pressed.
40-50C	VMGI Write Addr ERROR during editing	Displays the error, and stops after rereading the disc. Accepts a desired button.	Displayed until a desired button is pressed.
40-50D	VRMI Write Addr ERROR during editing	Displays the error, and stops after rereading the disc. Accepts a desired button.	Displayed until a desired button is pressed.
40-50E	Status failure upon HDD initializing	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
40-50F	Status response timeout upon HDD initializing	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
40-601	HDD file system failure (FS RF Write ERROR)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.
40-602	HDD file system failure (FS ODE Write ERROR)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.
40-603	HDD file system failure (FS RFBK Write ERROR)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.
40-604	HDD work area failure (HDD WA Write ERROR)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the tray opens.
40-605	Status failure upon HDD Write com- mand	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
40-606	Address failure upon HDD Write command	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
40-607	Status response timeout upon HDD Write command	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
40-608	NV_PACK (FWD) Write address error	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
40-609	NV_PACK (BWD) Write address error	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
40-610	NV_PACK Read Addr ERROR	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
40-611	VTS Write address error upon HDD Write command	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
40-612	VMGI Write address error upon HDD Write command	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
40-613	VRMI Write address error upon HDD Write command	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
40-614	HDD Write address error upon HDD Write command	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.

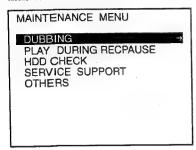
rror code	Meaning/ countermeasures	Operation at error	Display period
11-000	STATUS failure upon the first command after the power is on (Drive not connected)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed during the error
11-300	STATUS failure when opening/closing the tray	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
11-301	STATUS response timeout when opening/closing the tray	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
91-125	KY response timeout (10 seconds) during KY communication	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed during the communication error. Displayed until the power is turned off.
91-125	Command SUM value comparison failure during KY communication	Displays error and normally operates.	Displayed during the communica- tion error. Disappears once the communica- tion recovered.
91-125	Communication timeout during KY communication. No communication for 66 ms.	Displays error and normally operates.	Displayed during the communica- tion error. Disappears once the communica- tion recovered.
91-130	Data failure in the Flash Memory (IC108, IC109/DPR-254) (Flash Memory verify error)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
91-139	Data failure in the EPROM (IC205/KY- 568) that contains SETUP MENU (EEPROM verify error)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
91-13B	Data failure in the EEPROM (IC205/KY- 568) that contains the HoursMeter data (EEPROM verify error)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
91-215	Response SUM value comparison failure during KY communication	Displays error and normally operates.	Displayed during the communication error. Disappears once the communication recovered.
91-900	Out of the memory check range	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
95-100	Failure after restarting CODEC (IC601/DPR-254)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
95-103	Status failure upon Encode command	Displays error and reset.	Displayed until the unit restarts.
95-104	Status response timeout upon Encode command	Displays error and reset.	Displayed until the unit restarts.
95-105	STATUS failure upon Thru Start EE recovery	Displays error and reset.	Displayed until the unit restarts.
95-106	STATUS response timeout upon Thru Start EE recovery	Displays error and reset.	Displayed until the unit restarts
95-107	STATUS failure upon Decode com- mand during playback	Displays error and reset.	Displayed until the unit restarts
95-108	STATUS response timeout upon Decode command during playback	Displays error and reset.	Displayed until the unit restarts
95-110	STATUS failure upon the first command after the power is on (HDD not connected)	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed during the error

Error code	Meaning/ countermeasures	Operation at error	Display period
95-111	FIFO FULL ERROR after HDD Write	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
95-112	FIFO FULL ERROR after NV_PACK	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
95-113	FIFO FULL ERROR after HDD Read	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
95-114	FIFO FULL ERROR after DVD Write	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
95-115	FIFO FULL ERROR after Table creation	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
95-116	FIFO FULL ERROR after TitleClose	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
95-117	FIFO FULL ERROR after HDD Work area copy	Displays error and stops. Accepts a desired button.	Displayed until a desired button is pressed.
95-130	I ² C Communication (IC209/DPR-254) timeout	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
95-132	I ² C Communication (IC205/DPR-254) STATUS failure	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
95-133	I ² C Communication (IC209/DPR-254) STATUS failure	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
95-134	I ² C Communication (IC304/DPR-254) timeout	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
95-135	l ² C Communication (IC304/DPR-254) STATUS failure	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
95-140	I ² C Communication (IC205/DPR-254) timeout	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
95-201	CODEC (IC601/DPR-254) master clock download timeout	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.
95-202	CODEC (IC801/DPR-254) initializing (thru start) timeout	Displays error and stops. Operations other than the power switch, the disc tray open/close button and the maintenance key are disabled.	Displayed until the power is turned off.

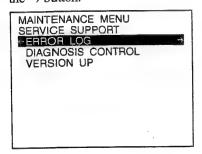
4-3. Checking the Error Log

This section describes how to check the error log. For how to operate the menu, refer to Section 5-2.

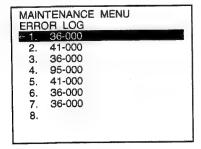
 Press the ← button and the MENU button at the same time to enter the MAINTENANCE MENU.



Select the SERVICE SUPPORT menu with the ↓
button, and enter the SERVICE SUPPORT menu with
the → button.



3. Enter the ERROR LOG menu with the \rightarrow button.

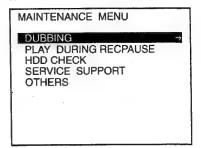


A list of errors occurred in the past is displayed. The newest error is placed at the top.

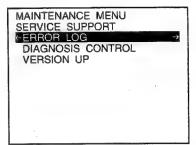
4-4. Deleting the Error Log

This section describes how to delete the error log. For how to operate the menu, refer to Section 5-2.

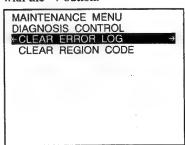
1. Press the ← button and the MENU button at the same time to enter the MAINTENANCE MENU.



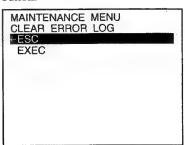
Select the SERVICE SUPPORT menu with the ↓
button, and enter the SERVICE SUPPORT menu with
the → button.



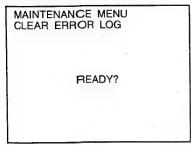
Select the DIAGNOSIS CONTROL menu with the ↓
button, and enter the DIAGNOSIS CONTROL menu
with the → button.



 Enter the CLEAR ERROR LOG menu with the → button.



 Select EXEC with the ↓ button, and press the SET button. "READY?" is displayed for confirmation.

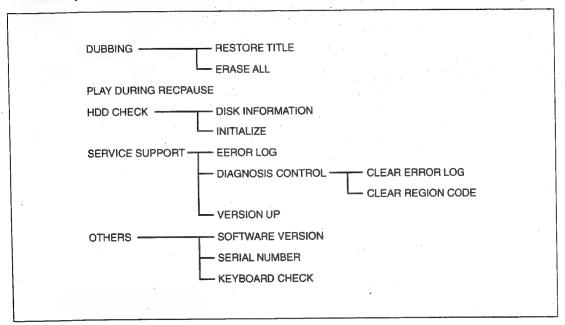


Press the SET button again. When completed, "ERROR LOG CLEAR!" is displayed, and the error log is deleted.

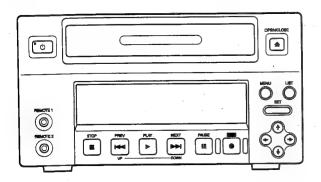
Section 5 Maintenance Menu

5-1. Hierarchical Structure of the Menu

The hierarchy of the Maintenance menu is as follows:



5-2. Operational Procedures



To enter the Maintenance Menu

Press the \leftarrow button and the MENU button at the same time.

To move a cursor

1 button: Move upward.

↓ button: Move downward.

 \rightarrow button: Move to the lower layer.

 \leftarrow button: Move to the upper layer.

PREV/UP button: Return to the previous page. NEXT/DOWN button: Proceed to the next page.

To execute the menu

Press the SET button.

To exit the menu

Press the MENU button.

5-3. Menu Description

5-3-1. DUBBING Menu

Item name	Contents
RESTORE TITLE	Copies the title in the HDD to a DVD. (Refer to Section 3-15.)
ERASE ALL	Erases the titles in the HDD.

5-3-2. PLAY DURING RECPAUSE Menu

Item name	Contents
PLAY DURING RECPAUSE	Selects whether or not to enable playback operation during REC PAUSE. (Refer to Section 3-16.)

5-3-3. HDD CHECK Menu

Item name	Contents
DISK INFORMATION	The number of times of the HDD's alternative process. Use this as a guideline of the replacement timing, (Refer to Section 2-1.)
INITIALIZE	Initializes the HDD. Perform this when replacing the HDD or the DPR-254 board. (Refer to Section 3-14.)

5-3-4. SURVICE SUPPORT Menu

Item name	Sub item	Contents
ERROR LOG	-	Displays the log of error codes. (Refer to Section 4-3.)
DIAGNOSIS	CLEAR ERROR LOG	Erases the log of error codes. (Refer to Section 4-4.)
CONTROL	CLEAR REGION CODE	Erases the number of times to set a region code (up to three times). The region code can be changed again.
VERSION UP	_	Upgrades the software version of the DPR-254 board. (Refer to Section 3-7.)

5-3-5. OTHERS Menu

Item name	Contents
SOFTWARE VERSION	Displays the versions of the DPR-254 board, the KY-568 board and i.LINK.
SERIAL NUMBER	Displays the serial No. of the DVO-1000MD. (Refer to Section 3-13.)
KEYBOARD CHECK	Checks the keyboard. After the front panel display fully illuminates, the keyboard check starts.

Section 6 Removing/Installing the Main Parts

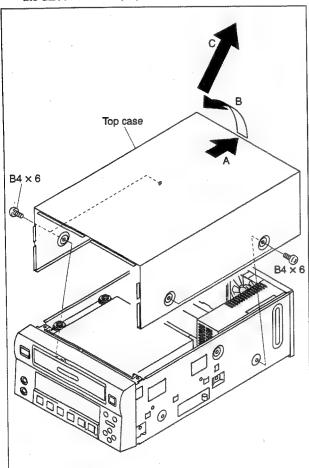
6-1. Removing/Installing the Top Case

1. Turn off the power and unplug the power cord from the wall outlet.

Note

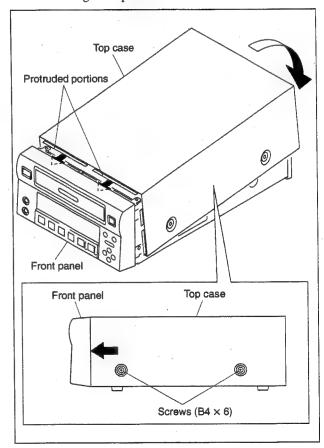
Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

2. Remove the four screws, and remove the top case in the directions of A, B, and C.



- 3. For installation, reverse the steps of removal.

 Note
 - To install the top case, be sure to first insert the protruded portions of the top case into the front panel.
 - Push the top case against the front panel when screwing the top case.



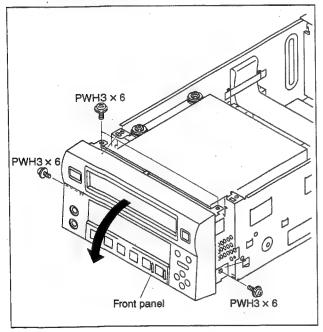
6-2. Removing/Installing the Front Panel

1. Turn off the power and unplug the power cord from the wall outlet.

Note

Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

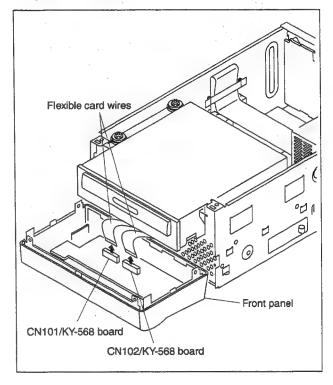
- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Remove the four screws, and open the front panel in the direction of the arrow.



 Disconnect the flexible card wires from the connectors (CN101, CN102) of the KY-568 board.

Note

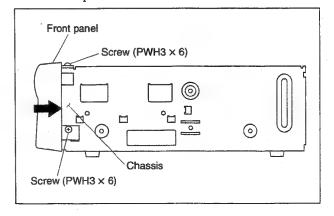
Life of flexible card wire will be significantly shortened if it is folded. Be very careful not to fold the flexible card wire.



5. For installation, reverse the steps of removal.

Note

Push the front panel against the chassis when screwing the front panel.



6-3. Removing/Installing the Rear Panel

1. Turn off the power and unplug the power cord from the wall outlet.

Note

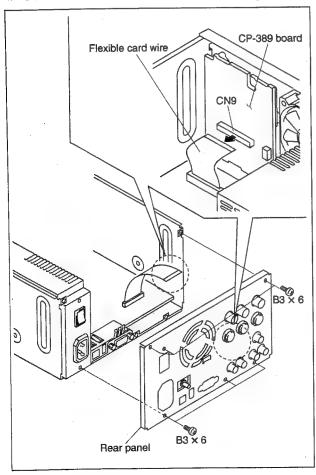
Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Disconnect the flexible card wire from the connector (CN9) of the CP-389 board.

Note

Life of flexible card wire will be significantly shortened if it is folded. Be very careful not to fold the flexible card wire.

4. Remove the six screws, and remove the rear panel.



5. For installation, reverse the steps of removal.

6-4. Removing/Installing the DVD Drive

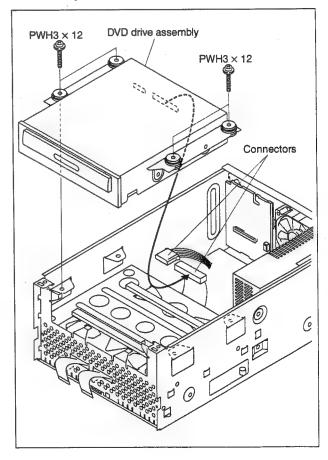
Tool: Thin screwdriver (diameter: 1.5 mm or less) or solid wire

 Turn off the power and unplug the power cord from the wall outlet.

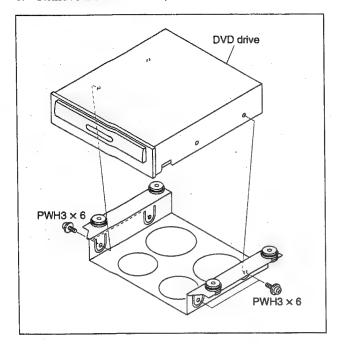
Note

Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Remove the front panel. (Refer to Section 6-2.)
- 4. Disconnect the two connectors from the DVD drive assembly.
- 5. Remove the four screws, and remove the DVD drive assembly.



6. Remove the four screws, and remove the DVD drive.



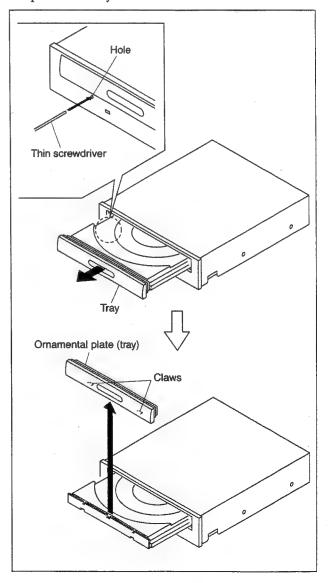
Notes

- To replace the DVD drive, remove the ornamental plate of the tray in the following order.
- The ornamental plate of the tray available as a repair part that is supplied with the DVD drive differs in shape.
- (1) Insert a thin screwdriver or the like into the hole.

Note

The tray is pushed out by inserting a thin screwdriver or the like into the hole.

(2) Disengage the two claws, and remove the ornamental plate of the tray.



7. For installation, reverse the steps of removal.

6-5. Removing/Installing the HDD

1. Turn off the power and unplug the power cord from the wall outlet.

Note

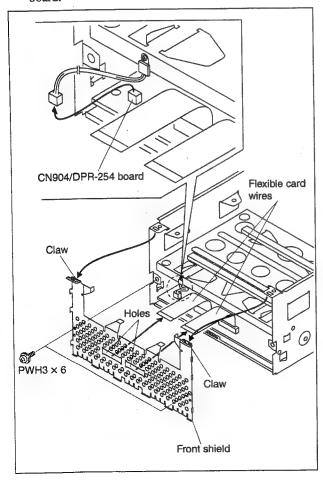
Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Remove the front panel. (Refer to Section 6-2.)
- 4. Remove the DVD drive. (Refer to Section 6-4.)
- Remove the two screws and disengage the two claws, and remove the front shield.

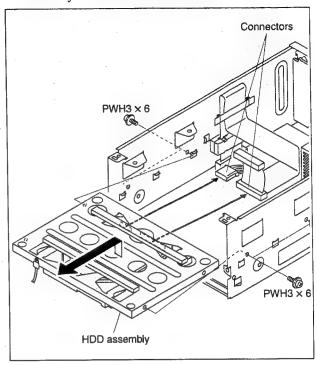
Note

The flexible card wire drops from the hole at the same time when the front shield is removed. Life of flexible card wire will be significantly shortened if it is folded. Be very careful not to fold the flexible card wire.

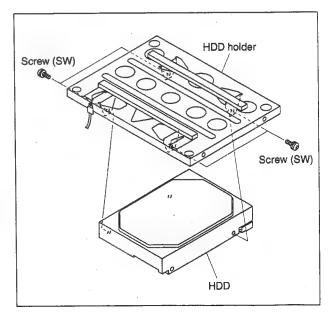
6. Disconnect the connector (CN904) of the DPR-254 board.



- 7. Disconnect the two connectors from the HDD assembly.
- 8. Remove the four screws, and remove the HDD assembly in the direction of the arrow.



9. Remove the four screws and remove the HDD.



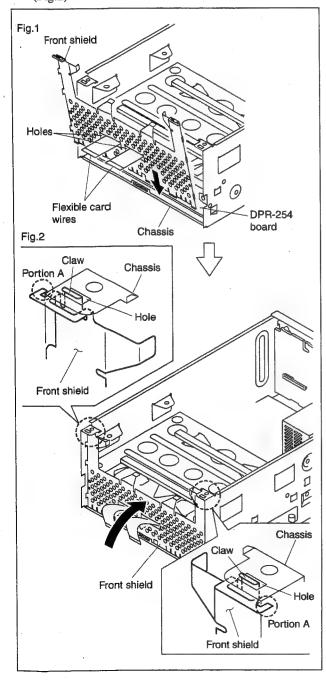
10. For installation, reverse the steps of removal.

Note

When installing the front shield, pass the flexible card wires through the holes, while inserting the bottom of the front shield between the chassis and the DPR-254 board.

(Fig.1)

Then, while engaging the claws at the top with the holes of the chassis, hook the portion A on the chassis. (Fig.2)



6-6. Removing/Installing the Switching Regulator

1. Turn off the power and unplug the power cord from the wall outlet.

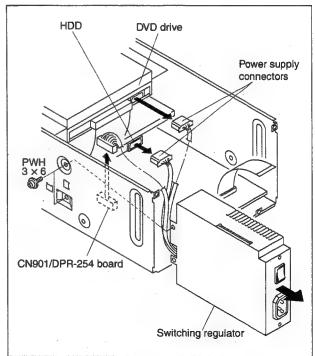
WARNING

The switching regulator is the critical component to maintain the safe operation. To avoid a fire or an electric shock, be sure to use the designated switching regulator.

Replacing part

Part name : Switching regulator Part number : △1-468-833-11

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Remove the rear panel. (Refer to Section 6-3.)
- 4. Disconnect the power connectors from the DVD drive and the HDD.
- 5. Disconnect the connector (CN901) on the DPR-254 board.
- Remove the two screws, and remove the switching regulator.



7. For installation, reverse the steps of removal.

6-7. Removing/Installing the Flexible Card Wire

Flexible card wires are used to connect the following boards. Life of flexible card wire will be significantly shortened if it is folded. Be very careful not to fold the flexible card wire.

- Between the DPR-254 (CN902) and KY-568 (CN101) boards: 1
- Between the DPR-254 (CN903) and KY-568 (CN102) boards: 1
- Between the DPR-254 (CN906) and CP-389 (CN9) boards: 1

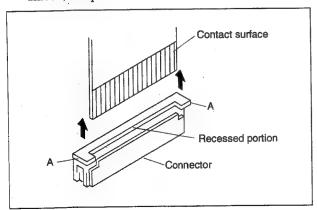
Removal

 Turn off the power and unplug the power cord from the wall outlet.

Note

Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

Slide the portion A in the direction of the arrow to unlock, and pull out the flexible card wire.



Installation

Notes

- Do not insert the flexible card wire at an angle.
- Confirm that there is no stain or dust on the contact surface of the flexible card wire.
- Slide the portion A in the direction of the arrow, and securely insert the flexible card wire into the connector.
- 2. Slide back the portion A to lock the connector.

Note

Check the shape of the connector before connecting the flexible card wire, then connect it with sufficient care for the orientations of the contact surface and the reinforcement plate (blue/green).

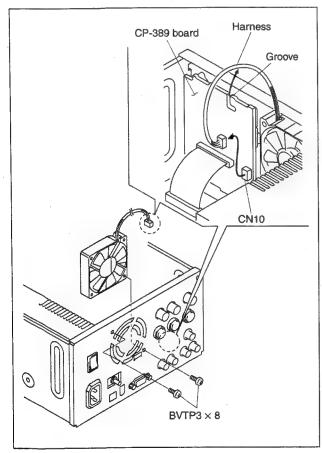
6-8. Removing/Installing the Fan

1. Turn off the power and unplug the power cord from the wall outlet.

Note

Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

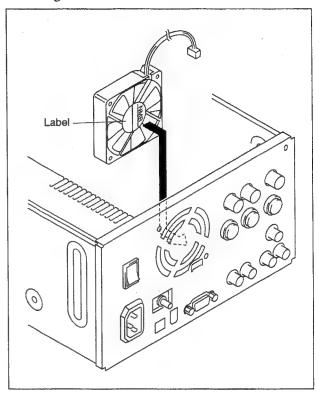
- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Disconnect the connector (CN10) of the CP-389 board, and remove the harness from the groove.
- 4. Remove the two screws, and remove the fan.



5. For installation, reverse the steps of removal.

Note

Install the fan in the direction (of the label) shown in the figure.



Note

Step 4 Fan tightening torque: $50 \times 10^{-2} \text{ N} \cdot \text{m} (5 \text{ kgf} \cdot \text{cm})$

6-9. Removing/Installing the DPR-254 Board

 Turn off the power and unplug the power cord from the wall outlet.

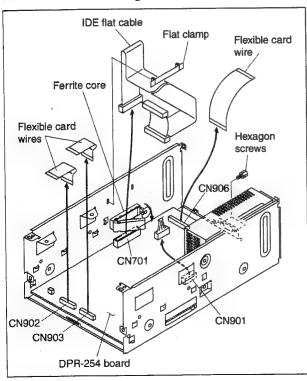
Note

Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Remove the front panel. (Refer to Section 6-2.)
- 4. Remove the rear panel. (Refer to Section 6-3.)
- 5. Remove the DVD drive. (Refer to Section 6-4.)
- 6. Remove the HDD. (Refer to Section 6-5.)
- Remove the flat clamp. Open the ferrite core in the direction of the arrow and disconnect the IDE flat cable from the connector (CN701) of the DPR-254 board.
- Disconnect the flexible card wires from the connectors (CN902, CN903, CN906) of the DPR-254 board.

Life of flexible card wire will be significantly shortened if it is folded. Be very careful not to fold the flexible card wire.

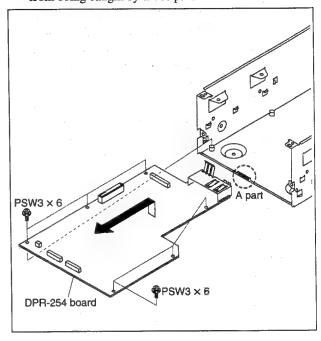
- Disconnect the connector (CN901) on the DPR-254
- 10. Remove the two hexagon screws.



11. Remove the six screws, and remove the DPR-254 board in the direction of the arrow.

Note

Remove the DPR-254 board carefully to prevent the mounted parts on the backside of the DPR-254 board from being caught by the A part.



12. For installation, reverse the steps of removal.

6-10. Removing/Installing the CP-389 Board

1. Turn off the power and unplug the power cord from the wall outlet.

Note

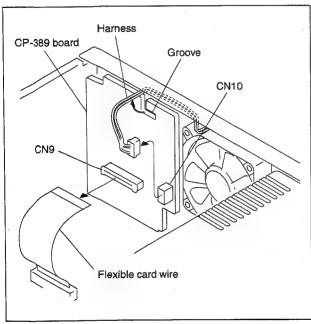
Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Disconnect the flexible card wire from the connector (CN9) of the CP-389 board.

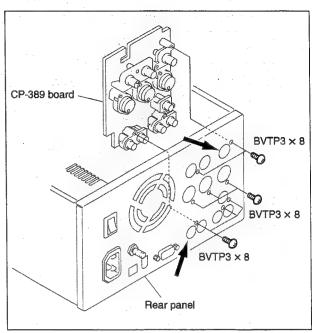
Note

Life of flexible card wire will be significantly shortened if it is folded. Be very careful not to fold the flexible card wire.

4. Disconnect the connector (CN10) of the CP-389 board, and remove the harness from the groove.



5. Remove the eight screws, and remove the CP-389 board.



 For installation, reverse the steps of removal.
 When reinstalling, securely install the connectors of the CP-389 board using the holes indicated by the two arrows for positioning.

Note

Step 5 CP-389 board tightening torque: 0.65 N·m (6.5 kgf·cm)

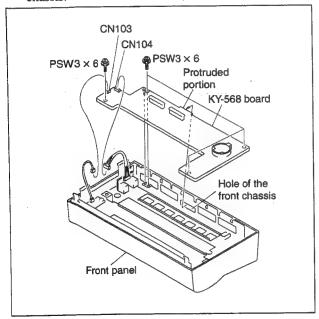
6-11. Removing/Installing the KY-568 Board

1. Turn off the power and unplug the power cord from the wall outlet.

Note

Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Remove the front panel. (Refer to Section 6-2.)
- 4. Disconnect the two harnesses from the connectors (CN103, CN104) on the KY-568 board.
- 5. Remove the five screws, and remove the protruded portion of the KY-586 board from the hole of the front chassis.



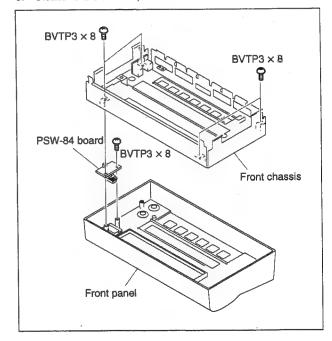
6-12. Removing/Installing the PSW-84 Board

1. Turn off the power and unplug the power cord from the wall outlet.

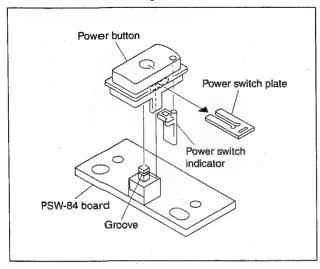
Note

Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Remove the front panel. (Refer to Section 6-2.)
- 4. Remove the KY-586 board. (Refer to Section 6-11.)
- 5. Remove the four screws and remove the front chassis.
- 6. Remove the screws, and remove the PSW-84 board.



7. Remove the power switch plate in the direction of the arrow, and remove the power button.



8. When reinstalling, insert the power switch plate along the groove on the switch.

Note

Step 5 Front chassis tightening torque: $50 \times 10^{-2} \text{ N} \cdot \text{m} (5 \text{ kgf} \cdot \text{cm})$

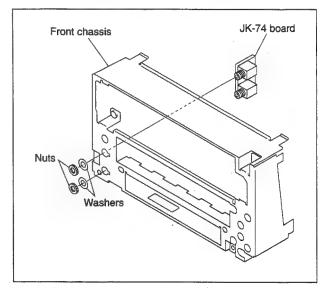
6-13. Removing/Installing the JK-74 Board

1. Turn off the power and unplug the power cord from the wall outlet.

Note

Start the removal procedure when at least three minutes have elapsed after turning off the power, because there is an electrically active block inside the equipment that might cause the electric shock.

- 2. Remove the top case. (Refer to Section 6-1.)
- 3. Remove the front panel. (Refer to Section 6-2.)
- 4. Remove the KY-586 board. (Refer to Section 6-11.)
- 5. Remove the front chassis. (Refer to Section 6-12.)
- 6. Remove the two nuts from the front chassis, and remove the JK-74 board.



Section 7 Electrical Alignment

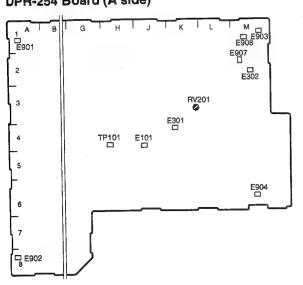
7-1. Electrical Alignment Overview

1. Measuring Equipment

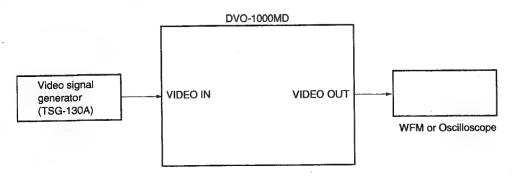
Equipment	Туре
Wavefrom monitor	TEKTRONIX 1750 (for NTSC)
	TEKTRONIX 1751 (for PAL)
Oscilloscope	TEKTRONIX TDS460A
Video signal generator	TEKTRONIX TSG-130A (for NTSC)
	TEKTRONIX TSG-131A or equivalent (for PAL)

2. Locations for Adjustment Point

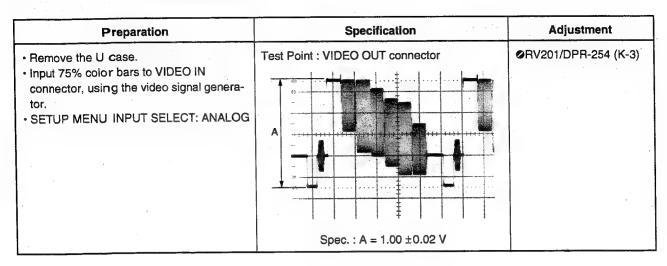
DPR-254 Board (A side)



3. Connection



7-2. Video Out Level Adjustment



Section 8 Spare Parts

8-1. Notes on Repair Parts

Safety Related Components Warning WARNING

Components marked \triangle are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.

Parts list has the present standardized repair parts.

3. Stock of Parts

Parts marked with "o" at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

4. Harness

Harnesses with no part number are not registered as spare parts.

8-1. 補修部品注意事項

1. 安全重要部品

▲警告

▲印のついた部品は安全性を維持するために重要な部品です。したがって、交換する時は必ず指定の部品を使ってください。

2. 部品の共通化

ソニーから供給する補修用部品は、セットに使われているものと異なることがあります。 これは部品の共通化、改良等によるものです。 部品表には現時点での共通化された補修用部品が記載されています。

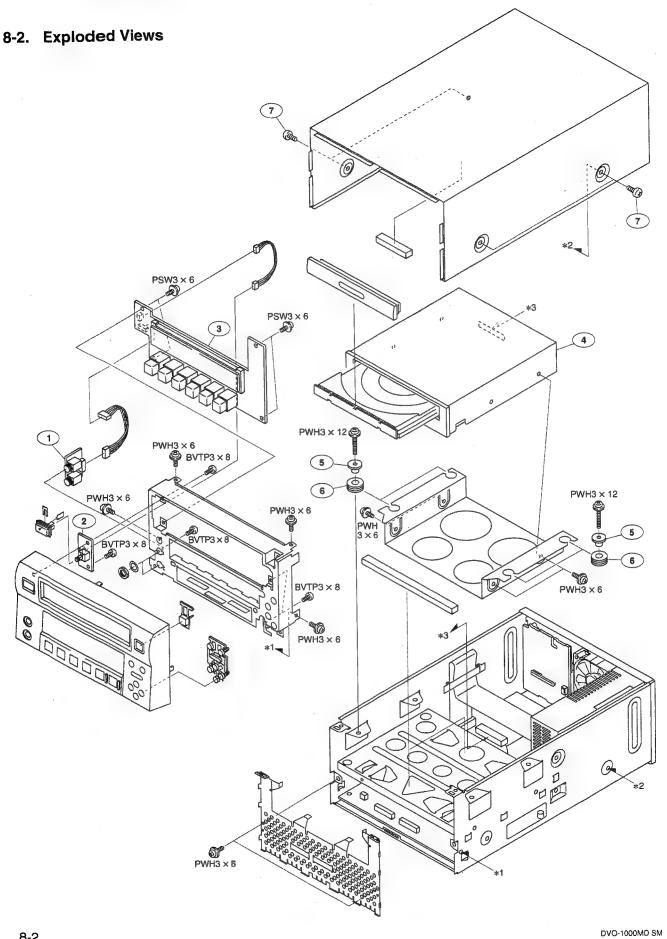
3. 部品の在庫

部品表のSP (Supply code) 欄に"o"で示される部品は 在庫していないことがあり、納期が長くなることがあり ます。

4. ハーネス

部品番号が記載されていないハーネスは, サービス部品 として登録されていません。

Top Case, Front Panel and DVD Drive



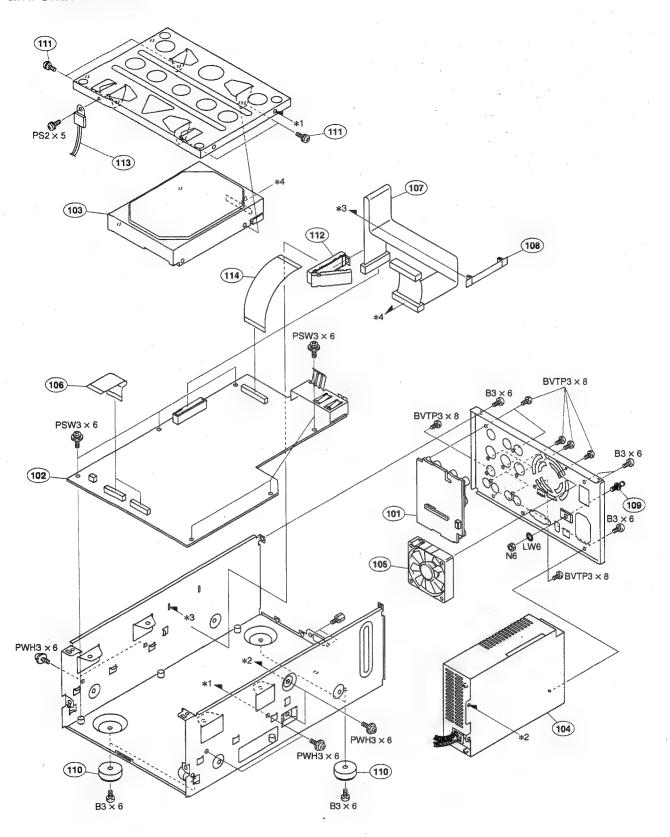
Top Case, Front Panel and DVD Drive

```
No. Part No. SP Description

1 A-1071-882-A s MOUNTED CIRCUIT BOARD, JK-74
2 A-1071-884-A s MOUNTED CIRCUIT BOARD, PSW-84
3 A-1072-964-A s MOUNTED CIRCUIT BOARD, KY-568
4 Δ A-1088-119-B s DVD DRIVE SERVICE KIT
5 3-074-848-01 s COLLAR (SY), FLANGE
6 3-074-849-01 s DAMPER (SY)
7 3-733-690-01 s SCREW +B 4X6 (ST)

7-682-903-11 s SCREW +PWH 3X6
7-682-903-49 s SCREW +PWH 3X12
7-682-947-01 s SCREW +PSW 3X6
7-685-646-79 s SCREW +BVTP 3X8
```

HDD and Chassis Block



HDD and Chassis Block

```
No.
               Part No.
                                            SP Description
               A-1071-881-A s MOUNTED CIRCUIT BOARD, CP-389
A-1072-959-A s MOUNTED CIRCUIT BOARD, DPR-254
A-1088-118-A s HDD SERVICE KIT
101
102
 103
104 A 1-468-833-13 s REGULATOR, SWITCHING
105 1-787-006-11 s FAN, D.C.
                1-831-018-11 s CABLE, FLEXIBLE FLAT (20 CORE)
1-963-087-11 s CABLE, IDE FLAT
3-064-084-01 s CLAMP (FCR-60), FLAT
3-990-273-01 s TERMINAL
 106
 107
 108
 109
                 4-043-045-01 s FOOT(RBR)
 110
                 4-645-944-22 s SCREW (SW) (NO.6-32UNC)
1-469-654-21 s CORE, FERRITE
1-417-353-11 s SENSOR, DEW CONDENSATION
1-831-022-11 s CABLE, FLEXIBLE FLAT (30 CORE)
 111
112
  113
  114
                  7-623-425-07 s WASHER LW 6 (TYPE B)
7-628-253-15 s SCREW +PS 2X5
7-682-547-04 s SCREW +B3X6
7-682-903-11 s SCREW +PWH 3X6
7-682-947-01 s SCREW +PSW 3X6
                  7-684-026-04 s NUT M6 TYPE2
7-685-646-79 s SCREW +BVTP 3X8
```

8-3. Electrical Parts List

CP-389 BOARD			OARD (suffix 22)	
Ref. No.	SP Description	- 6	Part No. SP	
1pc A-1071-8	81-A s MOUNTED CIRCUIT BOARD, CP-389	1pc	A-1072-959-A s 1	MOUNTED CIRCUIT BOARD, DPR-254
C1 1-107-82 C2 1-126-40 C3 1-164-31 C4 1-164-31	6-11 s CAPACITOR, CHIP CERAMIC 0.1MF 5-11 s CAPACITOR, ELECT 10MF/50V(CHIP 5-11 s CAPACITOR, CERAMIC 470PF/50V CH 5-11 s CAPACITOR, CERAMIC 470PF/50V CH	C101 C102 C103 C104	1-107-826-91 s 1-162-969-91 s 1-164-816-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000PF B CAP, CERAMIC 6800PF B 1608 CAP, CERAMIC CHIP 220PF CH CAP, CERAMIC TOURD F B
CN1 1-573-59 CN2 1-573-59 CN3 1-573-59 CN4 1-770-08 CN5 1-573-74	6-11 s CAPACITOR, CHIP CERAMIC 0.1MF 5-11 s CAPACITOR, ELECT 10MF/50V(CHIP 5-11 s CAPACITOR, ELECT 10MF/50V CH 5-11 s CAPACITOR, CERAMIC 470PF/50V CH 0-22 s CONNECTOR, (S) TERMINAL 4P 0-22 s CONNECTOR, (S) TERMINAL 4P 0-22 s CONNECTOR, (S) TERMINAL 4P 0-12 s CONNECTOR, (S) TERMINAL 4P 0-12 s CONNECTOR, S) TERMINAL 4P 0-12 s CONNECTOR ASSY (ENC) 1P 4-11 s JACK, PIN 2P 6-11 s JACK, PIN 2P 6-11 s JACK, PIN 1P	C105 C106 C107 C110 C111	1-107-826-91 s 1-164-315-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000PF B CAP, CERAMIC 470PF CH (1608) CAP, CHIP CERAMIC 100000PF B CAP, CHIP CERAMIC 100000PF B CAP, CHIP CERAMIC 100000PF B
CN6 1-573-74 CN7 1-766-59 CN8 1-793-17 CN9 1-766-43 CN10 1-794-50	4-11 s JACK, PIN 2P 6-11 s JACK, PIN 1P 5-11 s CONECTOR, BNC (2P SW TYPE) 1-51 o HOUSING, CONNECTOR 30P 9-11 s PIN, CONNECTOR (PC BOARD) (3P)	C112 C113 C114 C115 C116	1-107-826-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000FF B
D2 8-719-07 D3 8-719-07 D4 8-719-07	2-86 s DIODE NNCD6.2MF-T1B 2-86 s DIODE NNCD6.2MF-T1B 12-86 s DIODE NNCD6.2MF-T1B 12-86 s DIODE NNCD6.2MF-T1B 12-86 s DIODE NNCD6.2MF-T1B	C118 C119 C120	1-107-826-91 s 1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000PF B
D7 8-719-07 D8 8-719-07 D9 8-719-07 D10 8-719-07	72-86 s DIODE NNCD6.2MF-T1B 72-86 s DIODE NNCD6.2MF-T1B 72-86 s DIODE NNCD6.2MF-T1B	C123 C124 C125 C128 C129	1-107-826-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000PF B
D13 8-719-0' F1	72-86 B DIODE NNCD6.2MF-T1B 72-86 S DIODE NNCD6.2MF-T1B 27-21 S FUSE (SMD) 94-21 S FERRITE, EMI (SMD)	C130 C131 C132 C133 C134	1-107-826-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000PF B
FB3 1-469-1 FB4 1-469-0 FB5 1-469-1	11-11 s FERRITE, EMI (SMD) 11-11 s FERRITE, EMI (SMD) 94-21 s FERRITE, EMI (SMD) 11-11 s FERRITE, EMI (SMD) 11-11 s FERRITE, EMI (SMD)	C135 C136 C137 C138 C139	1-107-826-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000FF B CAP, CHIP CERAMIC 100000FF B CAP, CHIP CERAMIC 100000FF B CAP, CHIP CERAMIC 100000FF B CAP, CHIP CERAMIC 100000FF B
FB7 1-469-1 FB8 1-469-1 FB9 1-469-0	11-11 s FERRITE, EMI (SMD) 94-21 s FERRITE, EMI (SMD)	C140 C141 C142	1-107-826-91 s 1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000FF B CAP, CHIP CERAMIC 100000FF B CAP, CHIP CERAMIC 100000FF B
	93-01 s IC AQY212GSXP60 93-01 s IC AQY212GSXP60	C143 C144		CAP, CHIP CERAMIC 100000PF B CAP, CHIP CERAMIC 100000PF B
02 8-729-9 R1 1-211-9	29-08 s TRANSISTOR DTC123JE 29-08 s TRANSISTOR DTC123JE 90-11 s RESISTOR, CHIP 75 1/10W (1608) 95-11 s RESISTOR, CHIP 100K 1/10W(1608)	C145 C146 C147 C148 C149	1-107-826-91 s 1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000FF B
R3 1-218-8 R6 1-218-8 R8 1-211-9	95-11 s RESISTOR, CHIP 100K 1/10W(1608) 71-11 s RESISTOR, CHIP 10K 1/10W (1608) 90-11 s RESISTOR, CHIP 75 1/10W (1608)	C150 C151 C152	1-107-826-91 s 1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000PF B CAP, CHIP CERAMIC 100000PF B CAP, CHIP CERAMIC 100000PF B
R10 1-218-8 R11 1-218-8 R12 1-216-8	90-11 s RESISTOR, CHIP 75 1/10W (1608) 43-11 s RESISTOR, CHIP 680 1/10W (1608) 43-11 s RESISTOR, CHIP 680 1/10W (1608) 664-11 s CONDUCTOR, CHIP (1608)	C153 C154 C155 C156	1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000PF B
R14 1-216-8 R15 1-216-8	164-11 s CONDUCTOR, CHIP (1608) 164-11 s CONDUCTOR, CHIP (1608) 164-11 s CONDUCTOR, CHIP (1608) 164-11 s CONDUCTOR, CHIP (1608)	C156 C157 C158 C159	1-107-826-91 s 1-107-826-91 s	CAP, CHIP CERAMIC 100000PF B CAP, CHIP CERAMIC 100000PF B CAP, CHIP CERAMIC 100000PF B
R15. 1-216-864-11 s CONDUCTOR, CHIP (1608)	C160	1-107-826-91 s	CAP, CHIP CERAMIC 100000PF B	

C303

C304

C305

C306

C307

C308

C309

C309 C310 C313 C314

1-162-925-91 s CAP, CERAMIC 68PF CH 1608 1-162-927-91 s CAP, CERAMIC 100PF CH 1608 1-162-927-91 s CAP, CERAMIC 100PF CH 1608 1-127-692-11 s CAP, CERAMIC 10MF B (3216) 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B

1-107-826-91 s CAP, CHIP CERAMIC 100000PF B

1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B

1-127-692-11 s CAP, CERAMIC 10MF # (3216)

C227

C228

C229

C230

C231

C233

C234

C235

C236

1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF E 1-107-826-91 s CAP, CHIP CERAMIC 100000PF E

1-107-826-91 s CAP, CHIP CERAMIC 100000PF B

1-162-967-91 s CAP, CERAMIC 3300PF B 1608 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B

1-115-414-91 s CAP, CHIP CERAMIC 820PF CH 1608

(DPR-254 BOARD suffix 22)

Ref. No. or Q'ty	Part No. SP Description	Ref. No. or Q'ty Part No. SP Description
C315 C316 C317 C318 C319	1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-126-396-21 s CAP, CHIP ELECT 47MF (6.3X5.7) 1-126-396-21 s CAP, CHIP ELECT 47MF (6.3X5.7) 1-162-927-91 s CAP, CERAMIC 100PF CH 1608 1-162-927-91 s CAP, CERAMIC 100PF CH 1608	C515 1-162-970-91 s CAP, CERAMIC 10000PF B 1608 C516 1-162-970-91 s CAP, CERAMIC 10000PF B 1608 C517 1-162-970-91 s CAP, CERAMIC 10000PF B 1608 C518 1-162-970-91 s CAP, CERAMIC 10000PF B 1608 C519 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C320 C321 C322 C323 C324	1-164-227-91 s CAP, CERAMIC 22000PF B 1608 1-164-227-91 s CAP, CERAMIC 22000PF B 1608 1-162-927-91 s CAP, CERAMIC 100PF CH 1608 1-162-927-91 s CAP, CERAMIC 100PF CH 1608 1-126-404-21 s CAP, CHIP ELECT 4.7MF (5X5.7)	C520 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C521 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C522 1-162-970-91 s CAP, CERAMIC 10000PF B 1608 C524 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C525 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C325 C326 C327 C328 C329	1-126-402-21 s CAP, CHIP ELECT 2.2MF (4X5.7) 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B	C526 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C527 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C528 1-162-911-91 s CAP, CERAMIC 6.0PF CH 1608 C529 1-162-911-91 s CAP, CERAMIC 6.0PF CH 1608 C530 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C330 C331 C332 C333 C334	1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-126-405-21 s CAP, CHIP ELECT 10MF (6.3X5.7) 1-162-921-91 s CAP, CERAMIC 33PF CH 1608 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B	C531 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C532 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C533 1-162-970-91 s CAP, CERAMIC 10000PF B 1608 C601 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C602 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C335 C336 C337 C338 C339	1-107-826-91 s CAP, CHIP CERAMIC 100000PF B	C603 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C604 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C605 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C606 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C607 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C340 C341 C342 C343 C344	1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-128-590-21 s CAP, CHIP ELECT 100MF 1-126-396-21 s CAP, CHIP ELECT 47MF (6.3X5.7) 1-126-396-21 s CAP, CHIP ELECT 47MF (6.3X5.7) 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B	C608 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C609 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C610 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C611 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C612 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C404 C405 C406 C407 C408	1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-162-917-91 s CAP, CERAMIC 15PF CH 1608	C613 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C614 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C615 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C616 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C617 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C409 C410 C411 C412 C413	1-162-917-91 s CAP, CERAMIC 15PF CH 1608 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-164-315-91 s CAP, CERAMIC 470PF CH (1608) 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B	C618 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C619 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C620 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C621 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C622 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C414 C415 C416 C417 C418	1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B 1-162-970-91 s CAP, CERAMIC 10000PF B 1608 1-100-352-91 s CAP, CERAMIC 1MF C (1608) 1-164-388-91 s CAP, CERAMIC 270PF CH 1608	C623 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C624 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C625 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C626 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C627 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C501 C502 C503 C504 C505	1-104-610-21 s CAP, CHIP ELECT 47MF (4X5.7) 1-104-610-21 s CAP, CHIP ELECT 47MF (4X5.7) 1-162-970-91 s CAP, CERAMIC 10000FF B 1608 1-162-970-91 s CAP, CERAMIC 10000FF B 1608 1-164-315-91 s CAP, CERAMIC 470FF CH (1608)	C628 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C629 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C630 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C631 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C632 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B
C506 C507 C508 C509 C510	1-162-970-91 s CAP, CERAMIC 10000PF B 1608 1-162-970-91 s CAP, CERAMIC 10000PF B 1608	C633 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C634 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C635 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C636 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C637 1-104-610-21 s CAP, CHIP ELECT 47MF (4X5.7)
C511 C512 C513 C514	1-162-970-91 s CAP, CERAMIC 10000PF B 1608 . 1-162-970-91 s CAP, CERAMIC 10000PF B 1608 . 1-162-970-91 s CAP, CERAMIC 10000PF B 1608 . 1-162-970-91 s CAP, CERAMIC 10000PF B 1608	C638 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B C639 1-164-315-91 s CAP, CERAMIC 470PF CH (1608) C640 1-164-315-91 s CAP, CERAMIC 470PF CH (1608) C701 1-107-826-91 s CAP, CHIP CERAMIC 100000PF B

1-126-391-21 s CAP, CHIP ELECT 47MF (5X5.7)

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(DPR-254 BOARD suffix 22)

IDIN 234 DOINED BUTTER 22,	
Ref. No. or Q'ty Part No. SP Description	Ref. No. or Q'ty Part No. SP Description R110 1-216-864-91 © CONDUCTOR, CHIP (1608) R111 1-218-895-91 S RES, CHIP 100K (1608) R112 1-216-864-91 © CONDUCTOR, CHIP (1608) R113 1-218-823-91 S RES, CHIP 100 (1608) R114 1-218-823-91 S RES, CHIP 100 (1608)
T0010 9 750-052-52 E TC NIM78M05DL1A-TE1	R110 1-216-864-91 E CONDUCTOR. CHIP (1608)
TC011 9-759-598-43 s IC TC7WH04FK(TE85R)	R111 1-218-895-91 s RES, CHIP 100K (1608)
TC913 8-759-567-31 S IC PLI.1700EG/2K	R112 1-216-864-91 B CONDUCTOR, CHIP (1608)
TC815 6-700-399-01 s TC UPC2925T-E1	R113 1-218-823-91 s RES, CHIP 100 (1608)
IC817 6-709-014-01 s IC UPC2933BT-E2-AZ IC901 6-705-514-01 s IC MAX3222IPWR IC902 6-706-489-01 s IC TC7SH32FU(T5RSOYJF) IC903 6-706-484-01 s IC TC7SH32FU(T5RSOYJF) IC903 6-706-484-01 s IC TC7SH04FU(T5RSOYJF) L201 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH L202 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH L203 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH L204 1-414-398-41 s INDUCTOR (SMD) 10.0UH L205 1-414-398-41 s INDUCTOR (SMD) 10.0UH L206 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH L207 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH L208 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH L209 1-414-398-41 s INDUCTOR, SMALL TYPE 1.8UH L209 1-414-398-41 s INDUCTOR, SMALL TYPE 1.8UH L301 1-410-391-41 s CHIP INDUCTOR 68UH L302 1-410-391-41 s CHIP INDUCTOR 68UH L303 1-416-511-21 s COIL, CHOKE 47.0UH L304 1-419-370-21 s COIL, CHOKE 47.0UH L401 1-419-370-21 s COIL, CHOKE L402 1-419-370-21 s COIL, CHOKE L401 1-419-370-21 s COIL, CHOKE L601 1-414-398-41 s INDUCTOR, SMALL TYPE 10.0UH L801 1-416-511-21 s COIL, CHOKE 47.0UH L801 1-416-511-21 s COIL, CHOKE 47.0UH L802 1-416-511-21 s COIL, CHOKE 47.0UH	R114 1-218-823-91 s RES, CHIP 100 (1608)
IC901 6-705-514-01 s IC MAX3222IPWR	R115 1-218-823-91 s RES, CHIP 100 (1608)
IC902 6-706-489-01 s IC TC7SH32FU(T5RSOYJF)	R116 1-218-823-91 s RES, CHIP 100 (1608)
IC903 6-706-484-01 s IC TC7SH04FU(T5RSOYJF)	R117 1-216-864-91 s CONDUCTOR, CHIP (1608)
	R118 1-218-855-91 s RES, CHIP 2.2K (1608)
L201 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH	R119 1-218-823-91 s RES, CHIP 100 (1608)
L202 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH	R120 1-218-895-91 s RES, CHIP 100K (1608)
1-412-982-41 s INDUCTOR, SMALL TYPE 1.80H	R121 1-218-895-91 s RES, CHIP 100K (1608)
L204 1-414-398-41 s INDUCTOR (SMD) 10.0UH L205 1-414-398-41 s INDUCTOR (SMD) 10.0UH	R122 1-218-871-91 s RES, CHIP 10K (1608)
P202 1-414-230-41 2 IMPOCION (PUR) 10:000	R123 1-218-823-91 E RES, CHIP 100 (1608)
L206 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH	R124 1-218-823-91 s RES, CHIP 100 (1608)
L207 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH	
L208 1-412-982-41 s INDUCTOR, SMALL TYPE 1.8UH	R125 1-218-823-91 s RES, CHIP 100 (1608)
L209 1-414-398-41 s INDUCTOR (SMD) 10.0UH	R126 1-218-895-91 s RES, CHIP 100K (1608)
L301 1-410-391-41 s CHIP INDUCTOR 68UH	R127 1-218-895-91 s RES, CHIP 100K (1608)
A A A A A A A A A A A A A A A A A A A	R128 1-218-895-91 s RES, CHIP 100K (1608) R129 1-218-871-91 s RES, CHIP 10K (1608)
L302 1-410-391-41 s CHIP INDUCTOR 68UH	K129 1-210-071-91 S REG, CHIP TOR (1000)
1303 1-416-511-21 s COIL, CHOKE 47.0UH	R130 1-216-864-91 s CONDUCTOR, CHIP (1608)
L304 1-416-511-21 s COIL, CHOKE 47.0UH	R131 1-216-864-91 s CONDUCTOR, CHIP (1608)
1401 1-419-370-21 s COIL, CHOKE 1402 1-419-370-21 s COIL, CHOKE	R132 1-218-895-91 s RES, CHIP 100K (1608)
1402 1 415 570 21 5 66227 63663	R133 1-218-895-91 s RES, CHIP 100K (1608)
L601 1-414-398-41 s INDUCTOR (SMD) 10.0UH	R134 1-218-895-91 m RES, CHIP 100K (1608)
L801 1-414-521-41 s INDUCTOR, SMALL TYPE 10.0UH	
L802 1-416-511-21 s COIL, CHOKE 47.0UH	R135 1-218-895-91 5 RES, CHIP 100K (1608)
L803 1-416-511-21 s COIL, CHOKE 47.0UH	R136 1-218-895-91 s RES, CHIP 100K (1608) R137 1-218-895-91 s RES, CHIP 100K (1608)
L804 1-419-630-21 s COIL, CHOKE 4.70H	R138 1-218-895-91 s RES, CHIP 100K (1608)
L805 1-416-511-21 s COIL, CHOKE 47.0UH	R139 1-218-895-91 s RES, CHIP 100K (1608)
L806 1-416-511-21 s COIL, CHOKE 47.0UH	
L807 1-419-630-21 s COIL, CHOKE 4.7UH	R140 1-218-895-91 s RES, CHIP 100K (1608)
L808 1-414-398-41 s INDUCTOR (SMD) 10.0UH	R141 1-218-895-91 s RES, CHIP 100K (1608)
L809 1-414-521-41 s INDUCTOR, SMALL TYPE 10.0UH	R142 1-218-871-91 s RES, CHIP 10K (1608)
ALL AND DAY TOWN ALL THE	R143 1-218-871-91 5 RES, CHIP 10K (1608)
L601 1-414-398-41 s INDUCTOR (SMD) 10.0UH L801 1-414-521-41 s INDUCTOR, SMALL TYPE 10.0UH L802 1-416-511-21 s COIL, CHOKE 47.0UH L803 1-416-511-21 s COIL, CHOKE 47.0UH L804 1-419-630-21 s COIL, CHOKE 47.0UH L805 1-416-511-21 s COIL, CHOKE 47.0UH L806 1-416-511-21 s COIL, CHOKE 47.0UH L807 1-419-630-21 s COIL, CHOKE 47.0UH L808 1-414-398-41 s INDUCTOR (SMD) 10.0UH L809 1-414-521-41 s INDUCTOR, SMALL TYPE 10.0UH L901 1-419-630-21 s COIL, CHOKE 4.7UH L902 1-419-630-21 s COIL, CHOKE 4.7UH L903 1-419-630-21 s COIL, CHOKE 4.7UH L904 1-419-630-21 s COIL, CHOKE 4.7UH L905 1-414-398-41 s INDUCTOR (SMD) 10.0UH PS901 Δ 1-533-282-21 s COIL, CHOKE 4.7UH PS901 Δ 1-576-677-21 s LINK, IC (2A/72V) PS902 Δ 1-576-677-21 s LINK, IC (4A/22V)	R144 1-218-895-91 s RES, CHIP 100K (1608)
L902 1-419-630-21 s COIL, CHOKE 4.70H	R145 1-211-981-91 s RES, CHIP 33 (1608)
L903 1-419-630-21 s COIL, CHOKE 4.7UH L904 1-419-630-21 s COIL, CHOKE 4.7UH	R146 1-211-981-91 s RES, CHIP 33 (1608)
L905 1-414-398-41 s INDUCTOR (SMD) 10.0UH	R147 1-211-981-91 g RES, CHIP 33 (1608)
2,000	R148 1-211-981-91 s RES, CHIP 33 (1608)
PS901 A 1-533-282-21 s LINK, IC (2A/72V)	R149 1-211-981-91 s RES, CHIP 33 (1608)
PS902 A 1-576-677-21 s LINK, IC (4A/72V)	R150 1-211-981-91 s RES, CHIP 33 (1608)
PS903 A 1-576-123-21 S LINK, IC (0.8A/72V)	R150 1-211-981-91 s RES, CHIP 33 (1608)
PS904 A 1-576-122-21 s LINK, IC (0.4A/72V)	R152 1-211-981-91 s RES, CHIP 33 (1608)
0302 8-729-928-82 s TRANSISTOR DTC144EE-TL	
Q302 8-729-928-82 s TRANSISTOR DTC144EE-TL Q303 8-729-141-50 s TRANSISTOR 2SB624T1-BV345	R154 1-211-981-91 s RES, CHIP 33 (1608)
Q304 8-729-209-12 s TRANSISTOR 2SC4213B-TE85L	
Q305 8-729-209-12 s TRANSISTOR 2SC4213B-TE85L	R155 1-211-981-91 s RES, CHIP 33 (1608)
Q306 8-729-209-12 s TRANSISTOR 2SC4213B-TE85L	R156 1-211-981-91 s RES, CHIP 33 (1608) R157 1-211-981-91 s RES, CHIP 33 (1608)
0901 6-551-662-01 s TRANSISTOR SI4431BDY-T1-E3	R158 1-211-961-91 s RES, CHIP 33 (1608)
Q901 6-551-662-01 s TRANSISTOR S14431BDY-T1-E3 Q902 8-729-929-09 s TRANSISTOR DTC123JE-TL	R159 1-216-864-91 s CONDUCTOR, CHIP (1608)
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R101 1-218-895-91 s RES, CHIP 100K (1608)	R160 1-211-981-91 s RES, CHIP 33 (1608) R161 1-216-864-91 s CONDUCTOR, CHIP (1608)
R102 1-218-823-91 s RES, CHIP 100 (1608) R103 1-218-823-91 s RES, CHIP 100 (1608)	R162 1-211-981-91 s RES, CHIP 33 (1608)
R103 1-218-823-91 s RES, CHIP 100 (1608) R104 1-218-823-91 s RES, CHIP 100 (1608)	R163 1-218-871-91 s RES, CHIP 10K (1608)
R105 1-218-823-91 s RES, CHIP 100 (1608)	R164 1-218-871-91 s RES, CHIP 10K (1608)
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R107 1-211-977-91 s RES, CHIP 22 (1608)	R166 1-216-864-91 s CONDUCTOR, CHIP (1608) R167 1-218-871-91 s RES, CHIP 10K (1608)
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1-218-851-91 s RES, CHIP 1.5K (1608) 1-218-865-91 s RES, CHIP 5.6K (1608)

1-216-864-91 s CONDUCTOR, CHIP (1608) 1-218-823-91 s RES, CHIP 100 (1608) 1-218-823-91 s RES, CHIP 100 (1608)

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1-211-981-91 s RES, CHIP 33 (1608) 1-218-865-91 s RES, CHIP 5.6K (1608) 1-218-847-91 s RES, CHIP 1.0K (1608)

1-218-871-91 B RES, CHIP 10K (1608) 1-211-981-91 B RES, CHIP 33 (1608) 1-211-977-91 B RES, CHIP 22 (1608)

1-211-977-91 B RES, CHIP 22 (1608)

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1-216-864-91 s CONDUCTOR, CHIP (1608) 1-216-864-91 s CONDUCTOR, CHIP (1608)

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Ref. No.
                                                                                              Ref. No.
or Q'ty Part No. SP Description
                                                                                              or Q'ty Part No. SP Description
             1-218-871-91 s RES, CHIP 10K (1608)
1-218-871-91 s RES, CHIP 10K (1608)
                                                                                                           1-211-981-91 s RES, CHIP 33 (1608)
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             1-218-871-91 s RES, CHIP 10K (1608)
1-218-895-91 s RES, CHIP 10K (1608)
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1-211-991-91 s RES, CHIP 82 (1608)
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              1-211-981-91 s RES, CHIP 33 (1608)
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1-218-895-91 s RES, CHIP 100K (1608)
1-211-977-91 s RES, CHIP 22 (1608)
             1-211-981-91 s RES, CHIP 33 (1608)
1-211-981-91 s RES, CHIP 33 (1608)
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              1-211-977-91 s RES, CHIP 22 (1608)
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1-218-895-91 s RES, CHIP 100K (1608)
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              1-218-863-91 s RES, CHIP 4.7K (1608)
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              1-216-864-91 s CONDUCTOR, CHIP (1608)
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              1-211-977-91 s RES, CHIP 22 (1608)
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1-218-865-91 s RES, CHIP 5.6K (1608)
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               1-211-981-91 s RES, CHIP 33 (1608)
              1-211-981-91 s RES, CHIP 33 (1608)
1-211-981-91 s RES, CHIP 33 (1608)
  R710
                                                                                               R827
  R711
               1-211-981-91 s RES, CHIP 33 (1608)
                                                                                               R829
  R712
               1-211-981-91 s RES, CHIP 33 (1608)
                                                                                               R830
                                                                                                           1-218-831-91 s RES, CHIP 220 (1608)
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                                                                                               R832
                                                                                                           1-216-864-91 s CONDUCTOR, CHIP (1608)
1-216-864-91 s CONDUCTOR, CHIP (1608)
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               1-211-981-91 s RES, CHIP 33 (1608)
               1-211-981-91 s RES, CHIP 33 (1608)
  R715
                                                                                               R833
                                                                                                           1-218-907-91 s RES, CHIP 330K (1608)
1-218-835-91 s RES, CHIP 330 (1608)
               1-211-981-91 s RES, CHIP 33 (1608)
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  R717
               1-211-981-91 s RES, CHIP 33 (1608)
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               1-211-981-91 s RES, CHIP 33 (1608)
                                                                                                           1-218-851-91 s RES, CHIP 1.5K (1608)
               1-211-981-91 s RES, CHIP 33 (1608)
                                                                                                           1-218-865-91 s RES, CHIP 5.6K (1608)
              1-211-981-91 s RES, CHIP 33 (1608)
1-218-865-91 s RES, CHIP 5.6K (1608)
1-218-847-91 s RES, CHIP 1.0K (1608)
1-218-871-91 s RES, CHIP 10K (1608)
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1-218-823-91 S RES, CHIP 100 (1608)
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  R720
                                                                                               R839
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1-218-823-91 s RES, CHIP 100 (1608)
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  R722
  R723
                                                                                               R841
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               1-211-981-91 s RES, CHIP 33 (1608)
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               1-211-977-91 s RES, CHIP 22 (1608)
1-211-977-91 s RES, CHIP 22 (1608)
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1-218-823-91 s RES, CHIP 100 (1608)
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  R726
               1-211-977-91 s RES, CHIP 22 (1608)
                                                                                                           1-220-258-91 s RES, SQUARE TYPE CHIP 100 (3225)
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RB107

1-218-895-91 s RES, CHIP 100K (1608)

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(DPR-254 BOARD suffix 13)
(DPR-254 BOARD suffix 13)
Ref. No.
                        SP Description
                                                                                  or Q'ty Part No. SP Description
or Q'ty Part No.
           1-778-003-11 o CONNECTOR, BOARD TO BOARD 80P
1-695-889-21 s PIN, CONNECTOR (PC BOARD) 10P
                                                                                             6-700-267-01 s IC TC7WH245FU(TE12R)
6-706-895-01 s IC HD6417750RF200V
                                                                                  TC103
                                                                                  IC104
CN102
                                                                                              8-759-441-46 s IC TC74VHCT04AFT (EL)
8-759-475-58 s IC TC74LCX16245AFT(EL)
8-759-475-58 s IC TC74LCX16245AFT(EL)
                                                                                  IC105
CN401
            1-817-382-11 s CONNECTOR, I-LINK (6P)
            9-910-999-31 o SUPPLY END
                                                                                  IC110
CN701
            1-691-757-11 o PIN, CONNECTOR (PC BOARD) 8P
                                                                                  IC111
CN901
            1-774-869-11 o HOUSING, CONNECTOR
1-774-869-11 o HOUSING, CONNECTOR
1-691-550-11 s PIN, CONNECTOR (3P) (SMD) (1.5MM)
                                                                                              8-759-523-92 s IC TC74VHC21FT(EL)
 CN902
                                                                                              6-706-487-01 s IC TC7SH08FU(T5RSOYJF)
8-759-475-39 s IC TC74LCX74FT(EL)
                                                                                   IC113
 CN903
                                                                                  IC114
 CN904
                                                                                              8-759-475-58 s IC TC74LCX16245AFT(EL)
6-706-487-01 s IC TC75H08FU(T5RSOYJF)
            1-779-677-11 B CONNECTOR, USB (B)
                                                                                   TC115
 CN905
            1-766-431-21 o HOUSING, CONNECTOR 30P
                                                                                   IC116
 CN906
                                                                                   IC117
                                                                                              6-706-484-01 s IC TC7SH04FU(T5RSOYJF)
 CN907
            9-910-999-31 o SUPPLY END
                                                                                              8-759-523-82 s IC TC74VHC10FT (EL)
8-759-491-46 s IC TC74VHC104AFT (EL)
8-759-524-10 s IC TC74VHC157FT (EL)
                                                                                   IC118
                                                                                   IC119
            8-719-820-41 s DIODE 1SS302
 D301
            6-500-750-01 s DIODE NSAD500H-T1-A
                                                                                   IC120
 D401
            8-719-076-03 s DIODE CL-191G-CD-T
                                                                                   IC121
                                                                                              8-759-475-58 s IC TC74LCX16245AFT(EL)
 D701
            8-719-066-98 s DIODE RB051L-40
 D801
            8-719-066-98 s DIODE RB051L-40
                                                                                              6-706-487-01 s IC TC7SH08FU(T5RSOYJF)
                                                                                   IC122
 D802
                                                                                              6-702-231-01 s IC LMH6642MFX
                                                                                   IC202
            1-535-877-22 s CHIP, CHECKER (TEST POINT)
1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                   TC203
                                                                                              6-702-231-01 s IC LMH6642MFX
 E101
                                                                                              6-702-231-01 s IC LMH6642MFX
                                                                                   IC204
 E301
                                                                                              6-701-079-01 s IC ADV7300
 E302
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                   IC205
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
 E901
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                   IC206
                                                                                              6-702-231-01 s IC LMH6642MFX
 E902
                                                                                   IC207
                                                                                              6-702-231-01 s IC LMH6642MFX
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                   IC208
                                                                                              6-702-231-01 s IC LMH6642MFX
 E903
                                                                                              6-703-944-01 s IC TVP5145PFP
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                   IC209
 E904
                                                                                               6-702-231-01 s IC LMH6642MFX
                                                                                   IC210
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
  E905
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
  E906
                                                                                              6-702-231-01 s IC LMH6642MFX
6-702-231-01 s IC LMH6642MFX
6-702-231-01 s IC LMH6642MFX
                                                                                   IC211
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
  E907
                                                                                   IC212
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                   IC213
                                                                                   IC301
                                                                                               8-759-490-41 s IC TC74VHCT541AFT(EL)
                                                                                   IC303
                                                                                               8-759-536-23 s IC AK4324-VF-E2
  1-469-111-11 s FERRITE, EMI (SMD)
1-469-111-11 s FERRITE, EMI (SMD)
                                                                                   TC304
                                                                                               6-703-503-01 s IC AK5365VQ
  FB101
                                                                                   IC305
                                                                                               8-759-711-85 s IC NJM4580E-D
  FB102
             1-469-111-11 s FERRITE, EMI (SMD)
                                                                                   IC306
                                                                                               8-759-711-85 s IC NJM4580E-D
  FB103
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                               8-759-833-99 s IC MC74HC4052ADTR2
                                                                                   IC307
  FB104
                                                                                               8-759-711-85 s IC NJM4580E-D
                                                                                   IC308
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   TC402
                                                                                               6-706-365-01 s IC UPD72852AGB-8EU-A
                                                                                               6-706-366-01 s IC UPD72893BGD-LML-A
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   IC501
  FB107
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   IC503
                                                                                               6-703-644-01 s IC AD1895AYRSRL
  FB108
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   IC504
                                                                                               6-706-883-01 s IC BU3081FV-E2
  FB109
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                                                                                               6-704-484-01 s IC MB86394PFVS-G-BND
  FB110
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   IC602
                                                                                               6-705-983-01 s IC IS42S32200B-6TL-TR
  FB111
                                                                                               6-705-983-01 s IC IS42S32200B-6TL-TR
                                                                                   IC603
  FB601
                                                                                   IC701
                                                                                               6-706-894-01 s IC MB86368PFV-G-BNDE1
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
  FB602
                                                                                               8-759-475-58 s IC TC74LCX16245AFT(EL)
6-706-887-01 s IC MT48LC16M8A2P-7E
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   IC702
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   IC703
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              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   TC704
                                                                                               8-759-475-58 s IC TC74LCX16245AFT(EL)
   FB701
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   IC705
                                                                                               6-706-887-01 s IC MT48LC16M8A2P-7E
   FR702
                                                                                               8-759-327-65 s IC CXD8525N (E2)
8-759-695-88 s IC SN74CBTLV16211GR
                                                                                    IC801
   FB703
              1-414-864-11 B INDUCTOR, MICRO (CHIP TYPE)
                                                                                   IC802
   FB704
                                                                                               8-759-695-88 s IC SN74CBTLV16211GR
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                   IC803
   FB705
              1-469-111-11 s FERRITE, EMI (SMD)
1-469-670-11 o FERRITE, EMI (SMD)
                                                                                   TC804
                                                                                               8-759-263-89 s IC LT1107CS8-E1
                                                                                               6-700-398-01 s IC UPC2918T-E1
   FB902
                                                                                    TC805
                                                                                    IC806
                                                                                               8-759-475-53 s IC TC74LCX541FT(EL)
              1-234-494-21 s FILTER, EMI REMOVAL (SMD)
                                                                                               8-759-263-89 s IC LT1107CS8-E1
                                                                                   IC808
   FL401
              1-234-494-21 s FILTER, EMI REMOVAL (SMD)
1-234-494-21 s FILTER, EMI REMOVAL (SMD)
1-234-494-21 s FILTER, EMI REMOVAL (SMD)
                                                                                   IC809
                                                                                               6-703-754-01 s IC PQ1L153M2SPQ
   FL402
   FI.501
                                                                                               8-759-041-46 s IC L78M05TLL-SONY-TL
8-759-598-43 s IC TC7WH04FK(TE85R)
6-702-177-01 s IC MK2745-26SLFTR
                                                                                   IC810
   FL502
                                                                                   IC811
              8-759-523-81 s IC TC74VHC08FT(EL)
6-702-749-01 s IC S-80928CNNB-G8YT2G
                                                                                   IC813
   IC101
   IC102
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(DPR-254 BOARD suffix 13)
                                                                              (DPR-254 BOARD suffix 13)
Ref. No.
                                                                               Ref. No.
or Q'ty Part No.
                        SP Description
                                                                               or Q'ty Part No.
                                                                                                        SP Description
           1-216-864-11 s CONDUCTOR, CHIP (1608)
1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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                                                                               R245
                                                                                          1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
                                                                                          1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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           1-216-864-11 s CONDUCTOR, CHIP (1608)
1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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                                                                                          1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
 R177
           1-218-895-11 B RESISTOR, CHIP 100K 1/10W(1608)
                                                                               R252
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                                                                                          1-216-857-11 s RESISTOR, CHIP 1M 1/10W(1608)
           1-211-985-11 s RESISTOR, CHIP 47 1/10W (1608)
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                                                                                          1-218-837-11 s RESISTOR, CHIP 390 1/10W (1608)
 R179
           1-216-864-11 s CONDUCTOR, CHIP (1608)
                                                                               R254
                                                                                          1-218-837-11 s RESISTOR, CHIP 390 1/10W (1608)
 R180
           1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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            1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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                                                                                          1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
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           1-211-985-11 s RESISTOR, CHIP 47 1/10W (1608) 1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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            1-216-864-11 s CONDUCTOR, CHIP (1608)
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                                                                                          1-218-837-11 s RESISTOR, CHIP 390 1/10W (1608)
 R185
            1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
                                                                               R260
                                                                                          1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608)
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            1-211-985-11 s RESISTOR, CHIP 47 1/10W (1608)
                                                                                          1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608)
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                                                                                          1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608)
1-218-846-11 = RESISTOR, CHIP 910 1/10W (1608)
            1-218-895-11 & RESISTOR, CHIP 100K 1/10W(1608)
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            1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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            1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608)
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            1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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            1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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            1-211-969-11 s RESISTOR, CHIP 10 1/10W (1608)
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            1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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            1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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                                                                                          1-218-825-11 s RESISTOR, CHIP 120 1/10W (1608)
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            1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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                                                                                          1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608)
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            1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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            1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608)
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            1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608)
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                                                                                          1-218-877-11 s RESISTOR, CHIP 18K 1/10W (1608)
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            1-218-853-11 s RESISTOR, CHIP 1.8K 1/10W(1608)
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            1-218-853-11 s RESISTOR, CHIP 1.8K 1/10W(1608)
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1-218-847-11 s RESISTOR, CHIP 1K 1/10W (1608)
            1-218-853-11 s RESISTOR, CHIP 1.8K 1/10W(1608)
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            1-211-990-11 s RESISTOR, CHIP 75 1/10W (1608)
1-211-990-11 s RESISTOR, CHIP 75 1/10W (1608)
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            1-211-990-11 s RESISTOR, CHIP 75 1/10W (1608)
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                                                                                          1-218-889-11 s RESISTOR, CHIP 56K 1/10W(1608)
            1-211-990-11 s RESISTOR, CHIP 75 1/10W (1608)
1-211-990-11 s RESISTOR, CHIP 75 1/10W (1608)
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                                                                                          1-218-880-11 s RESISTOR, CHIP 24K 1/10W (1608)
            1-211-990-11 s RESISTOR, CHIP 75 1/10W (1608)
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                                                                                          1-218-865-11 s RESISTOR, CHIP 5.6K 1/10W(1608)
            1-218-877-11 s RESISTOR, CHIP 18K 1/10W (1608)
                                                                                          1-211-969-11 s RESISTOR, CHIP 10 1/10W (1608)
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                                                                                          1-218-887-11 s RESISTOR, CHIP 47K 1/10W (1608)
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            1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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            1-211-991-11 B RESISTOR, CHIP 82 1/10W (1608)
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                                                                                          1-218-881-11 s RESISTOR, CHIP 27K 1/10W(1608)
1-218-881-11 s RESISTOR, CHIP 27K 1/10W(1608)
            1-211-991-11 B RESISTOR, CHIP 82 1/10W (1608)
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             1-211-991-11 s RESISTOR, CHIP 82 1/10W (1608)
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             1-218-839-11 s RESISTOR, CHIP 470 1/10W (1608)
                                                                                          1-218-881-11 s RESISTOR, CHIP 27K 1/10W(1608)
  R225
                                                                                R317
             1-218-839-11 s RESISTOR, CHIP 470 1/10W (1608) 1-218-839-11 s RESISTOR, CHIP 470 1/10W (1608)
                                                                                          1-218-881-11 s RESISTOR, CHIP 27K 1/10W(1608) 1-218-881-11 s RESISTOR, CHIP 27K 1/10W(1608)
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1-218-881-11 s RESISTOR, CHIP 27K 1/10W(1608)
1-218-881-11 s RESISTOR, CHIP 27K 1/10W(1608)
             1-218-871-11 & RESISTOR, CHIP 10K 1/10W (1608)
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             1-216-864-11 s CONDUCTOR, CHIP (1608)
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             1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
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             1-218-843-11 s RESISTOR, CHIP 680 1/10W (1608)
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                                                                                          1-218-880-11 s RESISTOR, CHIP 24K 1/10W (1608)
             1-218-851-11 s RESISTOR, CHIP 1.5K 1/10W(1608)
1-218-849-11 s RESISTOR, CHIP 1.2K 1/10W(1608)
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                                                                                          1-218-880-11 s RESISTOR, CHIP 24K 1/10W (1608)
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             1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608)
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             1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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                                                                                R331
                                                                                          1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
             1-211-977-11 B RESISTOR, CHIP 22 1/10W (1608)
                                                                                R332
                                                                                          1-218-871-11 s RESISTOR, CHIP 10K 1/10W
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                                                                                                                                         (1608)
             1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
                                                                                          1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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R511

RB505

1-233-270-11 s RESISTOR, NETWORK (8 GANG) 10K

R1145

1-216-864-11 s CONDUCTOR, CHIP (1608)

C159

1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF

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(DPR-254 BOARD suffix: 11)
(DPR-254 BOARD suffix : 11)
Ref. No.
or Q'ty Part No. SP Description
                                                                               or O'ty Part No. SP Description
                                                                                          8-759-523-81 s IC TC74VHC08FT(EL)
6-702-749-01 s IC S-80928CNNR-G8YT2G
6-700-267-01 s IC TC7WH245FU(TE12R)
6-706-895-01 s IC HD6417750RF200V
           1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B
                                                                               TC101
                                                                                IC102
                                                                                IC103
CN101
           1-778-003-11 o CONNECTOR, BOARD TO BOARD 80P
           1-695-889-21 s PIN, CONNECTOR (PC BOARD) 10P
                                                                               IC104
 CN102
                                                                                          8-759-491-46 s IC TC74VHCT04AFT (EL)
           1-817-382-11 s CONNECTOR, I-LINK (6P)
                                                                                IC105
 CN401
           1-565-709-11 o CONNECTOR, MULTIPLE 40P
 CN701
           1-691-757-11 o PIN, CONNECTOR (PC BOARD) 8P
                                                                                           6-700-628-01 s IC HY57V281620HCTP-HDR
 CN901
                                                                                          8-759-475-58 s IC TC74LCX16245AFT(EL)
8-759-475-58 s IC TC74LCX16245AFT(EL)
8-759-523-92 s IC TC74VHC21FT(EL)
                                                                                IC107
           1-774-869-11 o HOUSING, CONNECTOR 1-774-869-11 o HOUSING, CONNECTOR
                                                                                IC110
 CN902
                                                                                TC111
 CN903
            1-691-550-11 s PIN, CONNECTOR (3P) (SMD) (1.5MM)
 CN904
                                                                                IC112
            1-779-677-11 s CONNECTOR, USB (B)
 CN905
                                                                                          6-706-487-01 s IC TC7SH08FU(T5RSOYJF)
8-759-475-39 s IC TC74LCX74FT(EL)
8-759-475-58 s IC TC74LCX16245AFT(EL)
6-706-487-01 s IC TC7SH08FU(T5RSOYJF)
            1-766-431-21 o HOUSING, CONNECTOR 30P
                                                                                IC113
 CN906
                                                                                IC114
                                                                                IC115
 CN907
            1-565-388-11 o CONNECTOR
                                                                                IC116
            8-719-820-41 s DIODE 1SS302
                                                                                IC117
                                                                                           6-706-484-01 s IC TC7SH04FU(T5RSOYJF)
 D301
            6-500-750-01 s DIODE NSAD500H-T1-A
 D401
            8-719-076-03 s DIODE CL-191G-CD-T
                                                                                IC118
                                                                                           8-759-523-82 s IC TC74VHC10FT
 D701
                                                                                           8-759-491-46 s IC TC74VHCT04AFT (EL)
            8-719-066-98 s DIODE RB051L-40
                                                                                IC119
 D801
                                                                                           8-759-524-10 s IC TC74VHC157FT (EL)
8-759-475-58 s IC TC74LCX16245AFT(EL)
6-706-487-01 s IC TC75H08FU(T5RSOYJF)
            8-719-066-98 s DIODE RB051L-40
                                                                                TC120
 D802
                                                                                IC121
  E101
            1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                IC122
            1-535-877-22 s CHIP, CHECKER (TEST POINT)
  E301
            1-535-877-22 s CHIP, CHECKER (TEST POINT)
1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                IC202
                                                                                           6-702-231-01 s IC LMH6642MFX
  E302
                                                                                IC203
                                                                                           6-702-231-01 s IC LMH6642MFX
  E901
            1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                IC204
                                                                                           6-702-231-01 s IC LMH6642MFX
  E902
                                                                                           6-701-079-01 s IC ADV7300
                                                                                IC205
                                                                                           6-702-231-01 s IC LMH6642MFX
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                IC206
  E903
            1-535-877-22 s CHIP, CHECKER (TEST POINT)
1-535-877-22 s CHIP, CHECKER (TEST POINT)
  E904
                                                                                IC207
                                                                                           6-702-231-01 s IC LMH6642MFX
  E905
                                                                                           6-702-231-01 s IC LMH6642MFX
6-703-944-01 s IC TVP5145PFP
                                                                                 IC208
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
  E906
  E907
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                 IC209
                                                                                           6-702-231-01 s IC LMH6642MFX
                                                                                 IC210
                                                                                           6-702-231-01 s IC LMH6642MFX
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
                                                                                 IC211
  E908
  6-702-231-01 s IC LMH6642MFX
                                                                                           6-702-231-01 s IC LMH6642MFX
                                                                                 IC213
            1-469-111-11 s FERRITE, EMI (SMD)
1-469-111-11 s FERRITE, EMI (SMD)
                                                                                           8-759-490-41 s IC TC74VHCT541AFT(EL)
                                                                                 IC301
  FB101
                                                                                           8-759-536-23 s IC AK4324-VF-E2
                                                                                 IC303
  FB102
                                                                                           6-703-503-01 s IC AK5365VO
             1-469-111-11 s FERRITE, EMI (SMD)
                                                                                 IC304
  FB103
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
  FB104
                                                                                            8-759-711-85 s IC NJM4580E-D
                                                                                 TC305
  FB105
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                            8-759-711-85 s IC NJM4580E-D
                                                                                 IC306
                                                                                            8-759-833-99 s IC MC74HC4052ADTR2
                                                                                 IC307
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
  FB106
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                 IC308
                                                                                            8-759-711-85 s IC NJM4580E-D
  FB107
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                 IC402
                                                                                            6-706-365-01 s IC UPD72852AGB-8EU-A
  FB108
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
  FR109
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                 IC501
                                                                                            6-706-366-01 s IC UPD72893BGD-LML-A
  FB110
                                                                                           6-703-644-01 s IC AD1895AYRSRL
6-706-883-01 s IC BU3081FV-E2
                                                                                 IC503
                                                                                 IC504
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                           6-704-484-01 s IC MB86394PFVS-G-BND
6-705-983-01 s IC IS42S32200B-6TL-TR
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                 IC601
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                 IC602
   FR602
             1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
   FB603
                                                                                            6-705-983-01 s IC IS42S32200B-6TL-TR
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                 IC603
   FR604
                                                                                 IC701
                                                                                            6-706-894-01 s IC MB86368PFV-G-BNDE1
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE) 1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
   FB701
                                                                                 IC702
                                                                                            8-759-475-58 s IC TC74LCX16245AFT(EL)
                                                                                            6-706-887-01 s IC MT48LC16M8A2P-7E
                                                                                 IC703
   FB702
                                                                                            8-759-475-58 s IC TC74LCX16245AFT(EL)
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                 IC704
   FB703
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
   FB704
              1-414-864-11 s INDUCTOR, MICRO (CHIP TYPE)
                                                                                 IC705
                                                                                            6-706-887-01 s IC MT48LC16M8A2P-7E
                                                                                           8-759-327-65 s IC CXD8525N (E2)
8-759-695-88 s IC SN74CBTLV16211GR
8-759-695-88 s IC SN74CBTLV16211GR
                                                                                 IC801
              1-469-111-11 s FERRITE, EMI (SMD)
                                                                                 IC802
   FB901
                                                                                 IC803
              1-234-494-21 s FILTER, EMI REMOVAL (SMD)
1-234-494-21 s FILTER, EMI REMOVAL (SMD)
1-234-494-21 s FILTER, EMI REMOVAL (SMD)
                                                                                            8-759-263-89 s IC LT1107CS8-E1
                                                                                 IC804
   FL401
   FL402
                                                                                 IC805
                                                                                            6-700-398-01 s IC UPC2918T-E1
   FL501
              1-234-494-21 s FILTER, EMI REMOVAL (SMD)
1-233-996-11 s FILTER, LOW PASS
                                                                                 IC808
                                                                                            8-759-263-89 s IC LT1107CS8-E1
   FL502
                                                                                 IC809
                                                                                            6-703-754-01 s IC PQ1L153M2SPQ
   FL801
                                                                                 IC810
                                                                                            8-759-041-46 s IC L78M05TLL-SONY-TL
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(DPR-254 BOARD suffix: 11)
(DPR-254 BOARD suffix: 11)
                                                                              Ref. No.
Ref. No.
                                                                              or Q'ty Part No. SP Description
or Q'ty Part No. SP Description
                                                                                         1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
           8-759-598-43 E IC TC7WH04FK(TE85R)
           8-759-547-49 s IC CDC509PWR
                                                                              R112
                                                                                          1-216-864-11 s CONDUCTOR, CHIP (1608)
 TC812
           6-702-177-01 s IC MK2745-26STR
8-759-443-30 s IC MC33269DTRK-3.3
6-700-399-01 s IC UPC2925T-E1
                                                                                          1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
 IC813
                                                                                         1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
                                                                              R114
 IC814
                                                                                         1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
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 TC815
                                                                                         1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
            8-759-694-15 s IC SP3222ECY
 IC901
                                                                                         1-216-823-11 S RESISTOR, CHIP 100 1/10W (1608)
1-218-855-11 S RESISTOR, CHIP 2.2K 1/10W(1608)
1-218-823-11 S RESISTOR, CHIP 100 1/10W (1608)
1-218-895-11 S RESISTOR, CHIP 100K 1/10W(1608)
            6-706-489-01 s IC TC7SH32FU(T5RSOYJF)
6-706-484-01 s IC TC7SH04FU(T5RSOYJF)
                                                                               R117
 IC902
                                                                               R118
 TC903
                                                                               R119
                                                                               R120
            1-412-982-21 s INDUCTOR (SMALL TYPE)
 L201
            1-412-982-21 s INDUCTOR (SMALL TYPE)
 L202
            1-412-982-21 s INDUCTOR (SMALL TYPE)
                                                                               R121
                                                                                          1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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                                                                                          1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
                                                                               R122
            1-414-398-11 s INDUCTOR (SMD) 10UH
 L204
                                                                                          1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
                                                                               R123
            1-414-398-11 s INDUCTOR (SMD) 10UH
                                                                                          1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
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                                                                                          1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
            1-412-982-21 s INDUCTOR (SMALL TYPE)
                                                                               R125
 L207
            1-412-982-21 s INDUCTOR (SMALL TYPE)
                                                                                          1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
            1-412-982-21 s INDUCTOR (SMALL TYPE)
                                                                               R126
 T-208
            1-414-398-11 s INDUCTOR (SMD) 10UH
                                                                               R127
 L209
            1-410-391-11 s INDUCTOR, CHIP 68UH (3225)
                                                                               R128
                                                                                          1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
  L301
                                                                                           1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
                                                                               R129
            1-410-391-11 s INDUCTOR, CHIP 68UH (3225)
                                                                               R130
                                                                                          1-216-864-11 s CONDUCTOR, CHIP (1608)
  L302
            1-416-511-11 s COIL, CHOKE 47.0UH
1-416-511-11 s COIL, CHOKE 47.0UH
  L303
                                                                                          1-216-864-11 s CONDUCTOR, CHIP (1608)
  L304
                                                                                          1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
             1-419-370-11 s CX462240611 (SMD)
                                                                               R132
  L401
                                                                               R133
  L402
            1-419-370-11 s CX462240611 (SMD)
                                                                               R134
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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            1-414-398-11 s INDUCTOR (SMD) 10UH
  T-601
             1-414-521-11 s INDUCTOR, SMALL TYPE 10.0UH
  1.801
            1-416-511-11 s COIL, CHOKE 47.0UH
1-416-511-11 s COIL, CHOKE 47.0UH
1-419-630-11 s COIL, CHOKE 47.0UH
                                                                               R136
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
  1.802
                                                                              R137
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
  L803
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                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
  L804
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                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
             1-416-511-11 s COIL, CHOKE 47.0UH
                                                                              R140
             1-416-511-11 s COIL, CHOKE 47.0UH
  1806
             1-419-630-11 s COIL, CHOKE 4.7UH
1-419-630-11 s COIL, CHOKE 4.7UH
1-419-630-11 s COIL, CHOKE 4.7UH
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
                                                                               R141
  L807
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1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
                                                                                R143
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                                                                                R144
             1-419-630-11 s COIL, CHOKE 4.7UH
1-419-630-11 s COIL, CHOKE 4.7UH
1-414-398-11 s INDUCTOR (SMD) 10UH
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                               R145
   L904
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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                                                                                R147
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
   PS901 A 1-533-282-21 s CIRCUIT PROTECTOR 2A (3225)
                                                                                R148
                                                                                R149
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
   PS902 ▲ 1-576-677-21 s RINK, IC
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
          ▲ 1-576-123-21 s CIRCUIT PROTECTOR 0.8A(IC LINK
                                                                                R150
   PS903
           △ 1-576-122-21 s CIRCUIT PROTECTOR 0.4A(IC LINK
   PS904
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                R151
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
              8-729-928-81 s TRANSISTOR DTC144EE
                                                                                R152
   Q302
              8-729-141-48 s TRANSISTOR 2SB624-BV345
                                                                                R153
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
   0303
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                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
              8-729-209-07 s TRANSISTOR 2SC4213-B
   0304
             8-729-209-07 s TRANSISTOR 2SC4213-B
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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              8-729-209-07 s TRANSISTOR 2SC4213-B
   0306
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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              8-729-045-53 s TRANSISTOR SI4431DY-T1
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              8-729-929-08 s TRANSISTOR DTC123JE
   0902
                                                                                           1-216-864-11 s CONDUCTOR, CHIP (1608)
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                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
              1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
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   R101
   R102
              1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
                                                                                           1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
   R103
                                                                                R163
                                                                                           1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
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              1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
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                                                                                           1-216-864-11 s CONDUCTOR, CHIP (1608)
1-216-864-11 s CONDUCTOR, CHIP (1608)
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                                                                                R166
              1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
   R106
              1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
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                                                                                           1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
                                                                               R167
              1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
   R108
                                                                                           1-216-864-11 s CONDUCTOR, CHIP (1608)
1-216-864-11 s CONDUCTOR, CHIP (1608)
              1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
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   R109
              1-216-864-11 s CONDUCTOR, CHIP (1608)
                                                                                 R169
   R110
                                                                                 R170
                                                                                           1-216-864-11 s CONDUCTOR, CHIP (1608)
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(DPR-254 BOARD suffix: 11)
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                                                                                   Ref. No.
or Q'ty Part No.
                                                                                   or Q'ty Part No.
                                                                                                           SP Description
                          SP Description
           1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
                                                                                   R732
                                                                                              1-211-991-11 s RESISTOR, CHIP 82 1/10W (1608)
R570
                                                                                              1-211-991-11 s RESISTOR, CHIP 82 1/10W (1608)
                                                                                   R733
R571
                                                                                              1-211-991-11 s RESISTOR, CHIP 82 1/10W (1608)
            1-218-895-11 B RESISTOR, CHIP 100K 1/10W(1608)
R572
                                                                                   R734
            1-216-864-11 s CONDUCTOR, CHIP (1608)
1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                              1-218-839-11 s RESISTOR, CHIP 470 1/10W (1608)
R573
                                                                                   R735
 R574
                                                                                   R736
                                                                                              1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
                                                                                   R737
                                                                                              1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
 R575
            1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
            1-211-981-11 E RESISTOR, CHIP 33 1/10W (1608)
                                                                                   R739
                                                                                              1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W(1608)
 R576
            1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                   R740
                                                                                              1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W(1608)
 R577
                                                                                   R741
                                                                                              1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W(1608)
 R578
            1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                              1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W(1608)
                                                                                   R742
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                                                                                              1-216-864-11 s CONDUCTOR, CHIP (1608)
                                                                                   R743
            1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
 R580
            1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W(1608)
                                                                                   R744
                                                                                              1-216-864-11 s CONDUCTOR, CHIP (1608)
 R581
 R582
                                                                                   R801
                                                                                              1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
                                                                                   R802
                                                                                              1-218-859-11 s RESISTOR, CHIP 3.3K 1/10W(1608)
 R601
            1-218-863-11 B RESISTOR, CHIP 4.7K 1/10W(1608)
                                                                                   R803
                                                                                               1-218-859-11 s RESISTOR, CHIP 3.3K 1/10W(1608)
 R602
                                                                                              1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
                                                                                   R804
 R603
            1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W(1608)
            1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W(1608)
                                                                                   R805
 R604
            1-216-864-11 s CONDUCTOR, CHIP (1608)
1-216-864-11 s CONDUCTOR, CHIP (1608)
                                                                                              1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
                                                                                   R806
 R605
                                                                                              1-216-864-11 s CONDUCTOR, CHIP (1608)
                                                                                   R807
 R606
             1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
                                                                                   R808
                                                                                              1-216-857-11 s RESISTOR, CHIP 1M 1/10W(1608)
 R607
            1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608) 1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
                                                                                              1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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 R609
             1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W(1608)
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                                                                                              1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
 R610
             1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
                                                                                    R812
                                                                                               1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
 R611
             1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W(1608)
                                                                                               1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
 R612
             1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
                                                                                              1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
 R613
             1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
1-218-895-11 s RESISTOR, CHIP 100K 1/10W (1608)
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             1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
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             1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
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                                                                                               1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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             1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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                                                                                               1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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  R705
             1-211-981-11 B RESISTOR, CHIP 33 1/10W (1608)
                                                                                    R821
                                                                                               1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608)
                                                                                               1-216-864-11 s CONDUCTOR, CHIP (1608)
1-216-864-11 s CONDUCTOR, CHIP (1608)
             1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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             1-211-981-11 B RESISTOR, CHIP 33 1/10W (1608)
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                                                                                               1-218-907-11 s RESISTOR, CHIP 330K 1/10W(1608) 1-218-835-11 s RESISTOR, CHIP 330 1/10W (1608)
             1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608) 1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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             1-211-981-11 B RESISTOR, CHIP 33 1/10W (1608)
                                                                                               1-218-851-11 s RESISTOR, CHIP 1.5K 1/10W(1608)
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             1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                    R827
                                                                                               1-218-865-11 s RESISTOR, CHIP 5.6K 1/10W(1608)
  R711
             1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                               1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
  R712
             1-211-981-11 B RESISTOR, CHIP 33 1/10W (1608)
                                                                                               1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608)
  R713
                                                                                               1-216-864-11 s CONDUCTOR, CHIP (1608)
1-216-864-11 s CONDUCTOR, CHIP (1608)
1-216-864-11 s CONDUCTOR, CHIP (1608)
1-218-907-11 s RESISTOR, CHIP 330K 1/10W(1608)
             1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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             1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
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  R718
              1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                               1-218-835-11 s RESISTOR, CHIP 330 1/10W (1608)
              1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                    R836
                                                                                               1-218-851-11 s RESISTOR, CHIP 1.5K 1/10W(1608)
  R719
                                                                                               1-218-865-11 s RESISTOR, CHIP 5.6K 1/10W(1608)
              1-211-981-11 B RESISTOR, CHIP 33 1/10W (1608)
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  R720
              1-218-865-11 s RESISTOR, CHIP 5.6K 1/10W(1608)
                                                                                    R838
                                                                                               1-216-864-11 s CONDUCTOR, CHIP (1608)
  R721
              1-218-847-11 E RESISTOR, CHIP 1K 1/10W (1608)
                                                                                    R839
                                                                                               1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
              1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608) 1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                               1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
                                                                                    R840
  R723
                                                                                               1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
                                                                                    R841
  R724
              1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
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1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
                                                                                    R842
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              1-211-977-11 B RESISTOR, CHIP 22 1/10W (1608)
                                                                                    R844
                                                                                               1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
                                                                                               1-220-258-11 s RESISTOR, CHIP 100 1/4W (3225) 1-220-258-11 s RESISTOR, CHIP 100 1/4W (3225)
              1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                    R845
  R728
              1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                    R846
  R729
              1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                    R847
                                                                                               1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
  R730
              1-211-981-11 s RESISTOR, CHIP 33 1/10W (1608)
                                                                                    R848
                                                                                               1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
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KY-568 BOARD (suffix 13, 21)
(DPR-254 BOARD suffix: 11)
                                                                                Ref. No.
 Ref. No.
 or Q'ty Part No. SP Description
                                                                                or Q'ty Part No.
                                                                                                         SP Description
                                                                                           A-1072-964-A s MOUNTED CIRCUIT BOARD, KY-568
           1-233-270-11 s RESISTOR, NETWORK (8 GANG) 10K
                                                                                1pc
           1-233-270-11 s RESISTOR, NETWORK (8 GANG) 10K
 RB504
           1-233-270-11 E RESISTOR, NETWORK (8 GANG) 10K
                                                                                BT202 ▲ 1-756-076-21 s HOLDER, LITHIUM BATTERY
 RB505
           1-233-414-11 s RESISTOR, CHIP NETWORK 4.7K
 RB601
            1-233-414-11 s RESISTOR, CHIP NETWORK 4.7K
                                                                                C102
                                                                                           1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
 RB602
                                                                                           1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
                                                                                C103
                                                                                C104
                                                                                           1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
           1-233-414-11 s RESISTOR, CHIP NETWORK 4.7K
 RR603
           1-233-414-11 s RESISTOR, CHIP NETWORK 4.7K
1-233-414-11 s RESISTOR, CHIP NETWORK 4.7K
                                                                                           1-126-396-11 s CAPACITOR, ELECT 47MF/16V(CHIP)
                                                                                C105
 RB604
                                                                                C106
                                                                                           1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
 RB702
            1-233-414-11 s RESISTOR, CHIP NETWORK 4.7K
 RB703
                                                                                           1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF 1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                            (1005)
                                                                                C107
            1-234-381-21 s RES, NETWORK 100KX4
                                                                                C108
                                                                                           1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
                                                            (1005)
                                                                                C109
            1-234-381-21 s RES, NETWORK 100KX4
 RB802
 RB803
            1-234-381-21 s RES, NETWORK 100KX4
                                                             (1005)
                                                                                C110
            1-234-381-21 s RES, NETWORK 100KX4
                                                             (1005)
                                                                                 C111
                                                                                           1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
 RB804
                                                             (1005)
            1-234-381-21 s RES, NETWORK 100KX4
 RR805
            1-234-381-21 s RES, NETWORK 100KX4
                                                            (1005)
                                                                                           1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
 RB806
                                                                                           1-164-315-11 s CAPACITOR, CERAMIC 470PF/50V CH
1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B
                                                                                C113
            1-234-381-21 s RES, NETWORK 100KX4
                                                             (1005)
                                                                                 C114
 RB807
                                                                                           1-164-315-11 s CAPACITOR, CERAMIC 470PF/50V CH
1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B
                                                             (1005)
            1-234-381-21 B RES, NETWORK 100KX4
                                                                                 C115
 RB808
  RB809
            1-234-381-21 s RES, NETWORK 100KX4
                                                             (1005)
                                                                                 C116
                                                                                           1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B 1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B
                                                                                 C117
            1-225-787-21 g RES, ADJ, CERMET 500
  RV201
                                                                                 C118
                                                                                 C201
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
            1-571-787-31 s SWITCH, TACTILE
  S101
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
            1-692-881-41 s SWITCH, SLIDE
                                                                                 C202
  S901
                                                                                            1-164-813-11 s CAPACITOR, CERAMIC 15PF/50V CH
            1-810-812-11 s THERMISTOR, NTC (1608)
  TH901
                                                                                           1-164-813-11 s CAPACITOR, CERAMIC 15PF/50V CH
1-162-911-11 s CAPACITOR, CERAMIC 6PF/50V 1608
1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
1-162-911-11 s CAPACITOR, CERAMIC 6PF/50V 1608
                                                                                 C204
             1-535-877-22 B CHIP, CHECKER (TEST POINT)
                                                                                 C205
  TP101
                                                                                 C206
                                                                                 C207
             1-813-062-11 s VIBRATOR, CRYSTAL
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
             1-795-796-11 s VIBRATOR, CRYSTAL
                                                                                 C208
  X401
             1-795-621-41 s VIBRATOR, CRYSTAL
  X501
             1-795-690-22 s OSCILLATOR, CRYSTAL (SMD)
                                                                                 C209
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  X701
             1-813-064-11 s VIBRATOR, CRYSTAL
                                                                                 C210
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  X801
                                                                                            1-162-919-11 s CAPACITOR, CERAMIC 22PF/50V CH
1-162-919-11 s CAPACITOR, CERAMIC 22PF/50V CH
1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
                                                                                 C211
             1-813-033-21 s OSCILLATOR, CRYSTAL (27MHZ)
                                                                                 C212
  XBU3
                                                                                 C213
                                                                                           1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
1-162-968-11 s CAPACITOR, CERAMIC 4700PF/50V B
                                                                                 C214
                                                                                 C216
                                                                                 C217
 JK-74 BOARD
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C218
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C219
                         SP Description
  or Q'ty Part No.
                                                                                            1-162-966-11 s CAPACITOR, CERAMIC 2200PF/50V B
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C221
             A-1071-882-A s MOUNTED CIRCUIT BOARD, JK-74
  1pc
                                                                                 C222
             1-764-091-11 o PIN, CONNECTOR (PC BOARD) 6P
1-507-743-21 s JACK, STEREO MINI
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C223
   CN1
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C224
   CN2
              1-507-743-21 s JACK, STEREO MINI
   CN3
                                                                                 C225
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C226
              1-469-111-11 s FERRITE, EMI (SMD)
   FB1
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C227
   FB2
              1-469-111-11 s FERRITE, EMI (SMD)
                                                                                 C228
                                                                                            1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
              1-469-111-11 s FERRITE, EMI
                                                (SMD)
   FB3
                                                                                            1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
                                                                                 C229
              1-469-111-11 s FERRITE, EMI
                                                (SMD)
   FB4
   FB5
              1-469-111-11 s FERRITE, EMI
                                                                                            1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
                                                                                 C230
                                                                                 C231
              1-469-111-11 s FERRITE, EMI (SMD)
   FR6
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C232
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C233
                                                                                 C234
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C235
                                                                                            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                 C236
                                                                                            1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B
                                                                                            1-162-923-11 s CAPACITOR, CERAMIC 47PF/50V CH
1-164-315-11 s CAPACITOR, CERAMIC 470PF/50V CH
                                                                                 C301
                                                                                 C302
                                                                                            1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
                                                                                 C303
```

(KY-568 BOARD suffix 13, 21)

Ref. No. or Q'ty	Part No. SP Description
R222	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R223	1-218-879-11 s RESISTOR, CHIP 22K 1/10W (1608)
R224	1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
R225	1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
R226	1-218-859-11 s RESISTOR, CHIP 3.3K 1/10W(1608)
R227	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R228	1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608)
R229	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R230	1-218-847-11 s RESISTOR, CHIP 1K 1/10W (1608)
R231	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R232	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R233	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R234	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R235	1-218-895-11 s RESISTOR, CHIP 100K 1/10W (1608)
R236	1-218-895-11 s RESISTOR, CHIP 100K 1/10W (1608)
R237	1-218-879-11 s RESISTOR, CHIP 22K 1/10W (1608)
R238	1-211-978-11 s RESISTOR, CHIP 24 1/10W (1608)
R239	1-211-978-11 s RESISTOR, CHIP 24 1/10W (1608)
R240	1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
R241	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R242	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R243	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R244	1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
R245	1-218-847-11 s RESISTOR, CHIP 1K 1/10W (1608)
R246	1-216-864-11 s CONDUCTOR, CHIP (1608)
R247	1-216-864-11 s CONDUCTOR, CHIP (1608)
R248	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R249	1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
R250	1-218-879-11 s RESISTOR, CHIP 22K 1/10W (1608)
R251	1-216-864-11 s CONDUCTOR, CHIP (1608)
R252	1-220-397-11 s RESISTOR, CHIP 4.7M 1/16W 1608
R253	1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
R301	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R302	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R303	1-218-847-11 s RESISTOR, CHIP 1K 1/10W (1608)
R304 R305 R306 R307 R308	1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608) 1-218-847-11 s RESISTOR, CHIP 1K 1/10W (1608) 1-218-865-11 s RESISTOR, CHIP 5.6K 1/10W(1608) 1-218-827-11 s RESISTOR, CHIP 150 1/10W (1608) 1-218-837-11 s RESISTOR, CHIP 390 1/10W (1608)
R309	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R310	1-219-365-11 s RESISTOR, CHIP
R311	1-219-365-11 s RESISTOR, CHIP
R312	1-216-864-11 s CONDUCTOR, CHIP (1608)
R313	1-218-891-11 s RESISTOR, CHIP 68K 1/10W (1608)
R314	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R315	1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
R401	1-218-895-11 s RESISTOR, CHIP 100K 1/10W (1608)
R402	1-218-895-11 s RESISTOR, CHIP 100K 1/10W (1608)
R403	1-218-895-11 s RESISTOR, CHIP 100K 1/10W (1608)
R404 R405 R406 R407 R408	1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608) 1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608)
R409	1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
R410	1-211-985-11 m RESISTOR, CHIP 47 1/10W (1608)
R411	1-218-895-11 m RESISTOR, CHIP 100K 1/10W(1608)
R412	1-218-895-11 m RESISTOR, CHIP 100K 1/10W(1608)

Ref. No.	
	Part No. SP Description
R413 R414 R415 R416 R417	1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608) 1-218-831-11 = RESISTOR, CHIP 220 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R418 R419 R420 R421 R422	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608)
S402	1-762-031-11 s SWITCH, TACTILE 1-692-890-21 s SWITCH, TACTILE (WITH LIGHT) 1-762-032-11 s SWITCH, TACTILE 1-692-890-71 s SWITCH, TACTILE 1-762-769-21 s SWITCH, TACTILE
	1-692-890-81 & SWITCH, TACTILE 1-571-787-31 & SWITCH, TACTILE 1-571-787-31 & SWITCH, TACTILE 1-571-787-31 & SWITCH, TACTILE 1-571-787-31 & SWITCH, TACTILE
S411 S412 S413 S414	1-571-787-31 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE
T301	1-443-460-11 s TRANSFORMER, CONVERTER
X201 X202 X203	1-760-622-21 s VIBRATOR, CRYSTAL 1-781-514-11 s VIBRATOR, CRYSTAL 1-795-940-11 s VIBRATOR, CRYSTAL

(KY-568 BOARD suffix 12)

(111 300	Doints Culling		•		
Ref. No or Q'ty	Part No. SP			Part No. S	P Description
IC211 IC212 IC213 IC301 IC401	6-706-487-01 s 6-706-020-01 o 8-759-082-60 s 6-700-112-01 s 8-759-209-69 s	IC TC7SH08FU(T5RSOYJF) IC LMV331IDCKR IC TC7S66FU IC MSM9202-05GS-KDR1 IC TC4S11F	R222 R223 R224 R225 R226	1-218-879-11 1-218-871-11 1-218-871-11	s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 22K 1/10W (1608) s RESISTOR, CHIP 10K 1/10W (1608) s RESISTOR, CHIP 10K 1/10W (1608) s RESISTOR, CHIP 3.3K 1/10W(1608)
L101 L102 L103 L301 L302	1-416-345-11 s 1-416-345-11 s 1-416-345-11 s 1-412-963-11 s 1-416-344-11 s	COIL, CHOKE 22UH COIL, CHOKE 22UH COIL, CHOKE 22UH INDUCTOR 100UH (2520) COIL, CHOKE 10UH	R227 R228 R229 R230 R231	1-218-855-11 1-218-895-11 1-218-847-11	s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 2.2K 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 1K 1/10W (1608) s RESISTOR, CHIP 100 1/10W (1608)
ND301	1-519-772-11 s	INDICATOR TUBE, FLUORESCENT	R232		s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP 100 1/10W (1608)
PS101 PS102 PS103	Δ 1-576-123-21 s Δ 1-576-123-21 m Δ 1-576-123-21 s	CIRCUIT PROTECTOR 0.8A(IC LINK CIRCUIT PROTECTOR 0.8A(IC LINK CIRCUIT PROTECTOR 0.8A(IC LINK CIRCUIT PROTECTOR 0.8A(IC LINK TRANSISTOR 2SC2712-YG	R234 R235 R236	1-218-823-11 1-218-895-11	s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608)
Q103 Q201 Q301 Q302 Q303	8-729-230-49 s 8-729-929-08 s 8-729-230-49 s 6-551-062-01 s 8-729-230-49 s	TRANSISTOR DTC123JE TRANSISTOR 2SC2712-YG TRANSISTOR 2SC3303-Y(TE16L1NQ) TRANSISTOR 2SC2712-YG	R238 R239 R240 R241	1-211-978-11 1-211-978-11 1-218-871-11	s RESISTOR, CHIP 22K 1/10W (1608) s RESISTOR, CHIP 24 1/10W (1608) s RESISTOR, CHIP 24 1/10W (1608) s RESISTOR, CHIP 10K 1/10W (1608) s RESISTOR, CHIP 100 1/10W (1608)
Q304 Q401 Q402 Q403 Q404	8-729-216-22 s 8-729-929-08 s 8-729-929-08 s 8-729-929-08 s	TRANSISTOR 2SA1162-G TRANSISTOR DTC123JE TRANSISTOR DTC123JE TRANSISTOR DTC123JE TRANSISTOR DTC123JE	R242 R243 R244 R245 R246	1-218-895-11 1-218-871-11 1-218-847-11	s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 10K 1/10W (1608) s RESISTOR, CHIP 1K 1/10W (1608) s CONDUCTOR, CHIP (1608)
Q405 Q406 Q407	8-729-929-08 s 8-729-928-54 s	TRANSISTOR DTC123JE TRANSISTOR DTC123JE TRANSISTOR DTA123JE		1-218-823-11 1-218-871-11 1-218-879-11	s CONDUCTOR, CHIP (1608) s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP 10K 1/10W (1608) s RESISTOR, CHIP 22K 1/10W (1608)
R101 R102 R103 R104 R105	1-211-977-11 1-211-977-11 1-211-977-11 1-218-823-11	S RESISTOR, CHIP 22 1/10W (1608) S RESISTOR, CHIP 100 1/10W (1608)	R301	1-220-397-11 1-218-871-11 1-218-823-11 1-218-823-11	s CONDUCTOR, CHIP (1608) s RESISTOR, CHIP 4.7M 1/16W 1608 s RESISTOR, CHIP 10K 1/10W (1608) s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP 1K 1/10W (1608)
R106 R107 R108 R109 R110			1001	1-218-855-11 1-218-847-11 1-218-865-11 1-218-827-11	s RESISTOR, CHIP 1.2 1/10W (1608) s RESISTOR, CHIP 1K 1/10W (1608) s RESISTOR, CHIP 1K 1/10W (1608) s RESISTOR, CHIP 5.6K 1/10W (1608) s RESISTOR, CHIP 150 1/10W (1608) s RESISTOR, CHIP 390 1/10W (1608)
R201 R202 R203 R204	1-216-864-11 1-218-823-11 1-218-895-11 1-218-869-11	s CONDUCTOR, CHIP (1608) s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 8.2K 1/10W(1608)	R309 R310 R311 R312	1-218-823-11 1-219-365-11 1-219-365-11 1-216-864-11	s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP s RESISTOR, CHIP s CONDUCTOR, CHIP (1608)
R205 R206 R208 R209 R211	1-218-895-11 1-218-895-11 1-218-871-11	s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 10K 1/10W (1608) s RESISTOR, CHIP 1M 1/10W(1608)	R313 R314 R315 R401 R402	1-218-823-11 1-218-871-11 1-218-895-11	s RESISTOR, CHIP 68K 1/10W (1608) s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP 100K 1/10W (1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608)
R212 R213 R214 R215 R216	1-218-895-11 1-218-895-11 1-216-857-11	s RESISTOR, CHIP 1.5K 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 1M 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608)	R403 R404 R405 R406 R407	1-218-895-11 1-218-831-11 1-218-895-11 1-218-895-11	s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 220 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 100K 1/10W(1608) s RESISTOR, CHIP 220 1/10W(1608)
R217 R218 R219 R220 R221	1-218-823-11 1-218-895-11 1-218-879-11	s RESISTOR, CHIP 100K 1/10W (1608) s RESISTOR, CHIP 100 1/10W (1608) s RESISTOR, CHIP 100K 1/10W (1608) s RESISTOR, CHIP 22K 1/10W (1608) s RESISTOR, CHIP 10K 1/10W (1608)	R407 R408 R409 R410 R411 R412	1-218-831-11 1-218-823-11 1-211-985-11 1-218-895-11	Is RESISTOR, CHIP 220 1/10W(1608) Is RESISTOR, CHIP 220 1/10W(1608) Is RESISTOR, CHIP 100 1/10W (1608) Is RESISTOR, CHIP 47 1/10W (1608) Is RESISTOR, CHIP 100K 1/10W(1608) Is RESISTOR, CHIP 100K 1/10W(1608)

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(KY-568 BOARD suffix 12)
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Ref. No. or Q'ty	Part No. SP Description
R413	1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608)
R414	1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608)
R415	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R416	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R417	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R418	1-218-895-11 = RESISTOR, CHIP 100K 1/10W(1608)
R419	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R420	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R421	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R422	1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608)
S401	1-762-031-11 s SWITCH, TACTILE
S402	1-692-890-21 s SWITCH, TACTILE (WITH LIGHT)
S403	1-762-032-11 s SWITCH, TACTILE
S404	1-692-890-71 s SWITCH, TACTILE
S405	1-762-769-21 s SWITCH, TACTILE
S406	1-692-890-81 s SWITCH, TACTILE
S407	1-571-787-31 s SWITCH, TACTILE
S408	1-571-787-31 s SWITCH, TACTILE
S409	1-571-787-31 s SWITCH, TACTILE
S410	1-571-787-31 s SWITCH, TACTILE
S411	1-571-787-31 s SWITCH, TACTILE
S412	1-571-787-31 s SWITCH, TACTILE
S413	1-571-787-31 s SWITCH, TACTILE
S414	1-571-787-31 s SWITCH, TACTILE
T301	1-443-460-11 s TRANSFORMER, CONVERTER
X201	1-760-622-21 s VIBRATOR, CRYSTAL
X202	1-781-514-11 s VIBRATOR, CRYSTAL
X203	1-795-940-11 s VIBRATOR, CRYSTAL

KY-568 BOARD (suffix 11)

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Ref. No.
or Q'ty Part No.
                           SP Description
           A-1072-964-A s MOUNTED CIRCUIT BOARD, KY-568
1pc
           1-528-174-11 s BATTERY, LITHIUM (CR2032 TYPE)
1pc
1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
            1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
C103
            1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
C104
            1-126-396-11 s CAPACITOR, ELECT 47MF/16V(CHIP)
C105
            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
C106
            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
C107
            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
C108
            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
C109
            1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
 C110
            1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
 C111
 C112
            1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
            1-164-315-11 s CAPACITOR, CERAMIC 470PF/50V CH
 C113
            1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B 1-164-315-11 s CAPACITOR, CERAMIC 470PF/50V CH
 C114
 C115
            1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B
 C116
            1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B 1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B
 C117
 C118
            1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
 C201
 C202
             1-164-813-11 s CAPACITOR, CERAMIC 15PF/50V CH
 C203
             1-164-813-11 & CAPACITOR, CERAMIC 15PF/50V CH
 C204
             1-162-911-11 s CAPACITOR, CERAMIC 6PF/50V 1608
1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
 C205
 C206
             1-162-911-11 s CAPACITOR, CERAMIC 6PF/50V 1608
 C207
 C208
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
 C209
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
1-162-919-11 s CAPACITOR, CERAMIC 22PF/50V CH
1-162-919-11 s CAPACITOR, CERAMIC 22PF/50V CH
 C210
 C211
 C212
             1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
 C213
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
1-162-968-11 s CAPACITOR, CERAMIC 4700PF/50V B
  C214
  C216
  C217
  C218
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  C219
             1-162-966-11 s CAPACITOR, CERAMIC 2200PF/50V B
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  C221
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  C222
  C223
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  C224
  C225
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  C226
              1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  C227
              1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
  C228
  C229
              1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
             1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
1-164-230-11 s CAPACITOR, CERAMIC 220PF/50V
  C230
  C231
             1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  C232
  C233
              1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
  C234
  C235
              1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
             1-162-964-11 s CAPACITOR, CERAMIC 1000PF/50V B
1-162-923-11 s CAPACITOR, CERAMIC 47PF/50V CH
1-164-315-11 s CAPACITOR, CERAMIC 470PF/50V CH
1-126-391-11 s CAPACITOR ELECT 47MF/6.3V(105)
  C236
  C301
  C302
  C303
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(KY-568 BOARD suffix 11)
                                                                               (KY-568 BOARD suffix 11)
                                                                               Ref. No.
                       SP Description
                                                                               or Q'ty Part No.
                                                                                                      SP Description
or O'ty Part No.
           1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                IC211
                                                                                           6-706-487-01 m IC TC7SH08FU(T5RSOYJF)
C304
                                                                                          6-706-020-01 o IC LMV3311DCKR
8-759-082-60 s IC TC7566FU
6-700-112-01 s IC MSM9202-05GS-KDR1
8-759-209-69 s IC TC4S11F
           1-162-968-11 s CAPACITOR, CERAMIC 4700PF/50V B
1-128-399-11 s CAPACITOR ELECT 330MF/16V(CHIP
                                                                                IC212
C305
                                                                                IC213
C306
           1-164-173-11 & CAPACITOR, CERAMIC 3900PF/50V B
                                                                                TC301
C307
           1-128-405-11 s CAPACITOR.ELECT 22MF/50V(CHIP)
                                                                                TC401
 C308
                                                                                           1-416-345-11 s COIL, CHOKE 22UH
1-416-345-11 s COIL, CHOKE 22UH
 C309
           1-162-927-11 s CAPACITOR, CERAMIC 100PF/50V CH
                                                                                L101
 C310
           1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                L102
           1-107-826-11 s CAPACITOR, CHIP CERAMIC 0.1MF
                                                                                L103
                                                                                           1-416-345-11 s COIL, CHOKE 22UH
 C401
                                                                                L301
                                                                                           1-412-963-11 s INDUCTOR 100UH (2520)
           1-774-869-11 o HOUSING, CONNECTOR
1-774-869-11 o HOUSING, CONNECTOR
                                                                               L302
                                                                                          1-416-344-11 s COIL, CHOKE 10UH
 CN101
 CN102
           1-764-078-11 s PIN, CONNECTOR (PC BOARD) 3P
1-695-207-11 o PIN, CONNECTOR 6P
                                                                              ND301 1-519-772-11 s INDICATOR TUBE, FLUORESCENT
 CN103
 CN104
                                                                                PS101 A 1-576-123-21 s CIRCUIT PROTECTOR 0.8A(IC LINK
 D103
            8-719-072-86 s DIODE NNCD6.2MF-T1B
                                                                                PS102 A 1-576-123-21 s CIRCUIT PROTECTOR 0.8A(IC LINK
 D104
            8-719-108-24 s DIODE 1SS223
                                                                                PS103 A 1-576-123-21 s CIRCUIT PROTECTOR 0.8A(IC LINK
            8-719-108-24 s DIODE 1SS223
 D105
            8-719-108-24 s DIODE 1SS223
                                                                                Q103
                                                                                           8-729-230-49 s TRANSISTOR 2SC2712-YG
 D201
            8-719-108-24 s DIODE 1SS223
                                                                                Q201
                                                                                           8-729-929-08 s TRANSISTOR DTC123JE
 D202
                                                                                           8-729-230-49 s TRANSISTOR 2SC2712-YG
                                                                                Q301
                                                                                0302
                                                                                           6-551-062-01 s TRANSISTOR 2SC3303-Y(TE16L1NQ)
 D203
            8-719-036-94 s DIODE RD5,6SB-T1
            8-719-157-97 s DIODE RD3.6SB
8-719-108-24 s DIODE 1SS223
                                                                                           8-729-230-49 s TRANSISTOR 2SC2712-YG
                                                                                0303
 D204
 D205
                                                                                           8-729-216-22 s TRANSISTOR 2SA1162-G
8-729-929-08 s TRANSISTOR DTC123JE
            8-719-108-24 s DIODE 1SS223
                                                                                Q304
 D206
            8-719-017-11 s DIODE 02DZ6.8-TPH3
                                                                                Q401
 D301
                                                                                0402
                                                                                           8-729-929-08 s TRANSISTOR DTC123JE
            8-719-108-24 s DIODE 1SS223
                                                                                Q403
                                                                                           8-729-929-08 s TRANSISTOR DTC123JE
 D302
 D303
            8-719-037-18 s DIODE RD11SB-T1
                                                                                           8-729-929-08 s TRANSISTOR DTC123JE
            8-719-158-35 s DIODE RD9.1SB
                                                           (ZENER)
 D304
            8-719-158-35 s DIODE RD9.1SB
                                                           (ZENER)
                                                                                           8-729-929-08 s TRANSISTOR DTC123JE
 D305
                                                                                Q406
                                                                                           8-729-929-08 s TRANSISTOR DTC123JE
            8-719-988-76 s DIODE SC902-2
 D306
                                                                                           8-729-928-54 s TRANSISTOR DTA123JE
                                                                                0407
            8-719-420-90 s DIODE MA8051-M
  D307
            8-719-157-97 s DIODE RD3.6SB
                                                                                           1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
                                                                                R101
  D401
  D402
            8-719-157-97 s DIODE RD3.6SB
                                                                                R102
                                                                                           1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
                                                                                           1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
            8-719-157-97 s DIODE RD3.6SB
                                                                                R103
  D403
             8-719-157-97 s DIODE RD3.6SB
                                                                                R104
                                                                                           1-211-977-11 s RESISTOR, CHIP 22 1/10W (1608)
                                                                                R105
                                                                                           1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
  D405
             8-719-157-97 s DIODE RD3.6SB
             8-719-157-97 s DIODE RD3.6SB
8-719-157-97 s DIODE RD3.6SB
                                                                                           1-218-827-11 s RESISTOR, CHIP 150 1/10W (1608)
  D406
                                                                                           1-218-887-11 s RESISTOR, CHIP 47K 1/10W (1608)
                                                                                R107
  D407
             8-719-157-97 s DIODE RD3.6SB
8-719-157-97 s DIODE RD3.6SB
8-719-157-97 s DIODE RD3.6SB
                                                                                           1-218-887-11 s RESISTOR, CHIP 47K 1/10W (1608)
1-218-863-11 s RESISTOR, CHIP 4.7K 1/10W (1608)
                                                                                R108
  D408
                                                                                R109
  D409
                                                                                           1-218-847-11 s RESISTOR, CHIP 1K 1/10W (1608)
                                                                                R110
  D410
             8-719-157-97 s DIODE RD3.6SB
             8-719-157-97 s DIODE RD3.6SB
                                                                                R111
                                                                                           1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
             8-719-157-97 s DIODE RD3.6SB
                                                                                R201
                                                                                           1-216-864-11 s CONDUCTOR, CHIP (1608)
  D412
                                                                                           1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
1-218-869-11 s RESISTOR, CHIP 8.2K 1/10W(1608)
  D413
             8-719-157-97 s DIODE RD3.6SB
                                                                                 R202
             8-719-157-97 s DIODE RD3.6SB
                                                                                 R203
             1-535-877-22 s CHIP, CHECKER (TEST POINT)
  E201
                                                                                 R205
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
  R206
                                                                                R208
            1-469-111-11 s FERRITE, EMI (SMD)
1-469-111-11 s FERRITE, EMI (SMD)
                                                                                 R209
                                                                                           1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
  FB201
                                                                                R211
                                                                                           1-216-857-11 s RESISTOR, CHIP 1M 1/10W(1608)
             1-469-111-11 s FERRITE, EMI (SMD)
                                                                                           1-218-851-11 s RESISTOR, CHIP 1.5K 1/10W(1608)
                                                                                R213
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
  IC201
             8-759-071-01 s IC UPD4991AGS
             6-706-487-01 s IC TC7SH08FU(T5RSOYJF)
6-803-491-01 s IC HD64F2215TE16
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
1-216-857-11 s RESISTOR, CHIP 1M 1/10W(1608)
                                                                                R214
  TC202
                                                                                R215
  IC203
             6-706-484-01 s IC TC7SH04FU(T5RSOYJF)
6-703-671-01 o IC BR9040F-WE2
                                                                                R216
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
  IC204
  IC205
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608)
                                                                                R217
  IC206
             6-702-749-01 s IC S-80928CNNB-G8YT2G
                                                                                R218
             8-759-524-04 s IC TC74VHC125FT (EL)
8-759-524-04 s IC TC74VHC125FT (EL)
8-759-490-41 s IC TC74VHCT541AFT(EL)
  IC207
                                                                                 R219
                                                                                           1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
                                                                                R220
                                                                                           1-218-879-11 s RESISTOR, CHIP 22K 1/10W (1608)
  IC208
  IC209
                                                                                           1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608)
             8-759-530-30 s IC TC74VHCU04FT (EL)
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(KY-568 BOARD suffix 11)

or O'ty Part No. SP Description 1-218-895-11 B RESISTOR, CHIP 100K 1/10W(1608) R222 1-218-879-11 s RESISTOR, CHIP 22K 1/10W (1608) R223 1-218-871-11 B RESISTOR, CHIP 10K 1/10W (1608) R224 1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608) R225 1-218-859-11 & RESISTOR, CHIP 3.3K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608) R227 R228 1-218-895-11 B RESISTOR, CHIP 100K 1/10W(1608) R229 1-218-847-11 s RESISTOR, CHIP 1K 1/10W (1608) R230 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) R231 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) R232 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) R233 R234 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) R235 R236 1-218-879-11 B RESISTOR, CHIP 22K 1/10W (1608) R237 1-211-978-11 s RESISTOR, CHIP 24 1/10W (1608) R238 1-211-978-11 s RESISTOR, CHIP 24 1/10W (1608) R239 1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608) R240 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) R241 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) R242 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) R243 1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608) 1-218-847-11 s RESISTOR, CHIP 1K 1/10W (1608) R245 1-216-864-11 s CONDUCTOR, CHIP (1608) R246 R247 1-216-864-11 s CONDUCTOR, CHIP (1608) 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) 1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608) R248 R249 1-218-879-11 s RESISTOR, CHIP 22K 1/10W (1608) R250 1-216-864-11 s CONDUCTOR, CHIP (1608) R251 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) R301 R302 1-218-847-11 s RESISTOR, CHIP 1K 1/10W (1608) 1-218-855-11 s RESISTOR, CHIP 2.2K 1/10W(1608) R303 R304 1-218-847-11 E RESISTOR, CHIP 1K 1/10W (1608) R305 1-218-865-11 s RESISTOR, CHIP 5.6K 1/10W(1608) R306 1-218-827-11 s RESISTOR, CHIP 150 1/10W (1608) R307 1-218-837-11 E RESISTOR, CHIP 390 1/10W (1608) R308 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) R309 1-219-365-11 s RESISTOR, CHIP R310 R311 1-219-365-11 s RESISTOR, CHIP 1-216-864-11 s CONDUCTOR, CHIP (1608) R312 1-218-891-11 s RESISTOR, CHIP 68K 1/10W (1608) R313 1-218-823-11 s RESISTOR, CHIP 100 1/10W (1608) R314 1-218-871-11 s RESISTOR, CHIP 10K 1/10W (1608) R315 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) R401 R402 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) R403 1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608) R404 R405 1-218-895-11 & RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) R406 1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608) 1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608) R407 R408 1-218-823-11 B RESISTOR, CHIP 100 1/10W (1608) R409 1-211-985-11 B RESISTOR, CHIP 47 1/10W (1608) R410 1-218-895-11 B RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 S RESISTOR, CHIP 100K 1/10W(1608) R412 1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608) R413

1-218-831-11 s RESISTOR, CHIP 220 1/10W(1608)

(KY-568 BOARD suffix 11)

Ref. No. or Q'ty	Part No. SP Description
R416 R417 R418	1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608) 1-218-895-11 s RESISTOR, CHIP 100K 1/10W(1608)
R420 R421 R422	
S402 S403 S404	1-762-031-11 s SWITCH, TACTILE 1-692-890-21 s SWITCH, TACTILE (WITH LIGHT) 1-762-032-11 5 SWITCH, TACTILE 1-692-890-71 s SWITCH, TACTILE 1-762-769-21 s SWITCH, TACTILE
S407 S408 S409	1-692-890-81 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE
S412 S413	1-571-787-31 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE 1-571-787-31 s SWITCH, TACTILE
T301	1-443-460-11 s TRANSFORMER, CONVERTER
	1-760-622-21 s VIBRATOR, CRYSTAL 1-781-514-11 s VIBRATOR, CRYSTAL 1-795-940-11 s VIBRATOR, CRYSTAL

8-53

R414

PSW-84 BOARD

Ref. No.

or Q'ty Part No.

SP Description

1pc

A-1071-884-A s MOUNTED CIRCUIT BOARD, PSW-84

CN1

1-764-078-11 s PIN, CONNECTOR (PC BOARD) 3P

D2

8-719-076-03 s DIODE CL-191G-CD-T

S1

1-554-419-00 s SWITCH, PUSH

FRAME

Ref. No.

or Q'ty Part No. SP Description

1pc

1pc 1pc

1-469-654-11 s CORE, FERRITE Δ 1-468-833-13 s REGULATOR, SWITCHING A-1088-118-A ≡ ASSY, SERVICE HDD Δ A-1088-119-B s ASSY, SERVICE DVD DRIVE 1pc

FAN001 1-787-006-11 s FAN, D.C.

HN001 1-831-022-11 s CABLE, FLEXIBLE FLAT (30CORE) (CN9/CP-389 board to CN906/DPR-254 board)

HN002 1-831-018-11 s CABLE, FLEXIBLE FLAT (20CORE)

(CN101/KY-568 board to CN902/DPR-254 board)

1-831-018-11 s CABLE, FLEXIBLE FLAT (20CORE)

(CN102/KY-568 board to CN903/DPR-254 board)

HN004 1-963-087-11 s CABLE, IDE FLAT (CN701/DPR-254 board to DVD Drive/HDD)

----- HARNESS, DEW SENSER HN005 (To CN904/DPR-254 board)

1-417-353-11 s SENSOR, DEW CONDENSATION 1pc

PACKING MATERIALS & SUPPLIED ACCESSORIES

Ref. No.

or Q'ty Part No. SP Description

3-855-783-08 s CD-ROM(DVO-1000MD) 1pc

3-986-510-02 s CD-ROM(DVDINFO EDITOR) 1pc

Section 9 Semiconductor Pin Assignments

The following describes the semiconductor types used in this unit.

For semiconductors marked with page numbers in the index, refer to the corresponding pages in this section. However, in some cases incompatible types are also listed, therefore, when a part is to be replaced, also refer to the Spare Parts section.

In addition, for semiconductors with ID Nos., refer to the separate CD-ROM titled "Semiconductor Pin Assignments" (Sony Part No. 9-968-546-xx) that allows searching for parts by semiconductor type or ID No.

The semiconductors in the manual or on the CD-ROM are listed by equivalent types. Thus the external view or the index mark indication may differ from the actual type. Pin assignments and block diagrams are based on the IC manufacturer's data book.

本機に使用されている半導体型名の一覧を下記に示します。 索引中、ページが記載されている半導体は、本章の該当ページを参照してください。ただし、互換性のない型名を併記している場合がありますので、部品を交換するときは、Spare Partsの章を参照してください。

また、ID番号が記載されている半導体は、別途発行の "Semiconductor Pin Assignments" CD-ROM版 (ソニー部品番号: 9-968-546-xx)を参照してください。 半導体型名またはID番号から検索ができます。 マニュアルまたはCD-ROMに掲載されている半導体は、 それぞれの機能を等価的に表わしたものです。 外観やインデックスマークの表示方法が実物と異なる場合 があります。

ピン配置およびブロック図はICメーカーのデータブックに 従いました。

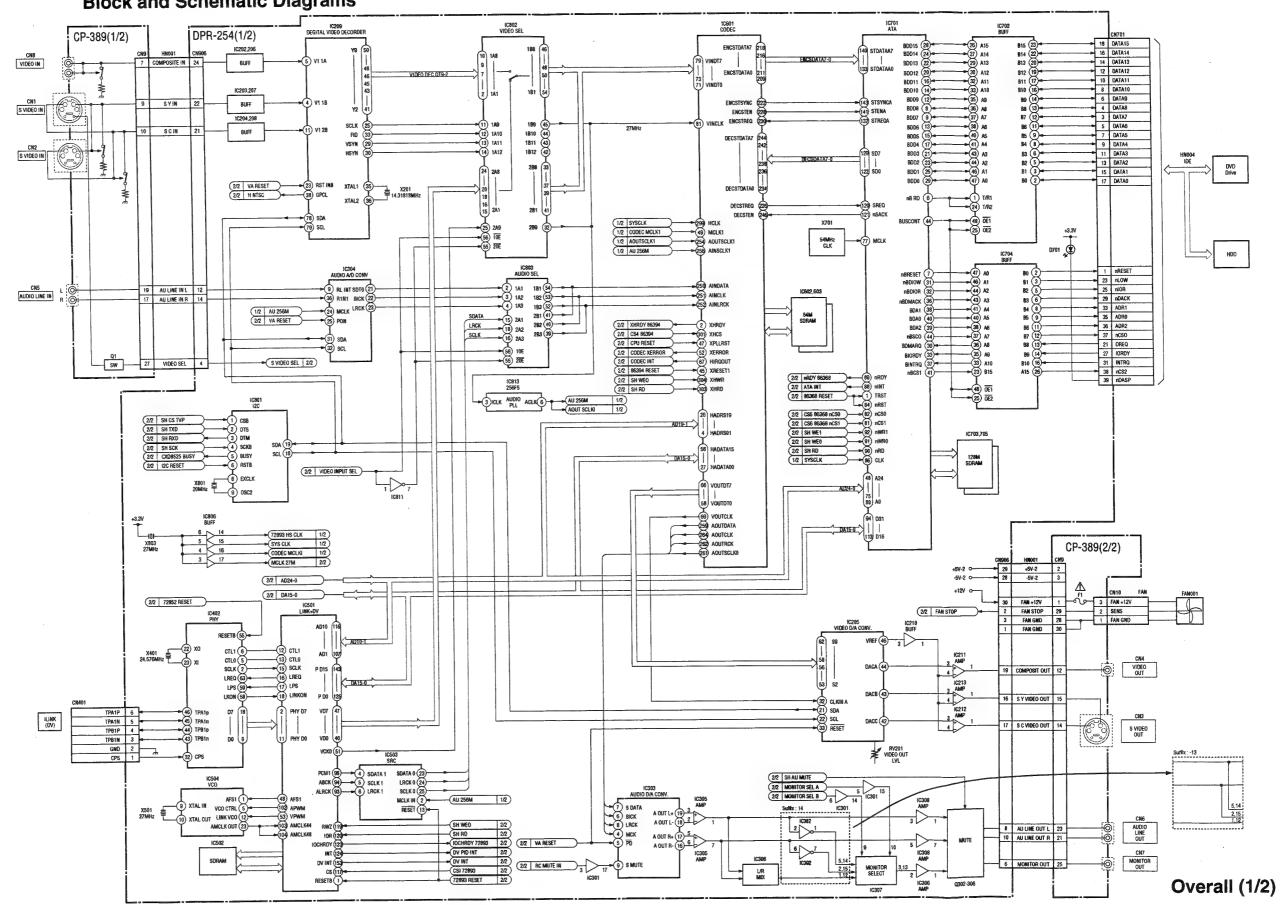
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02DZ5.1-TPH3	DC008-04
02DZ6.8-TPH3	
1\$\$223	DC001-05
1SS302	DC001-01
1SS302-TE85L	DC001-01
MA8051-M	DC008-04
NSAD500H-T1-A	DC014-04
RB051L-40	DC007-01
RB051L-40TE25	
RD3.6SB	DC008-04
RD5.6SB-T1	DC008-04
SC902-2	DC008-02
LED	Page or ID No.
CL-191G-CD-T	LC004-01
TRANSISTOR	Page or ID No.
2SA1162-G	TC001-01
2SB624-BV345	
2SC2712-YG	
2SC2712G-TE85L	
2SC4213-B	
2SC4213B-TE85L	

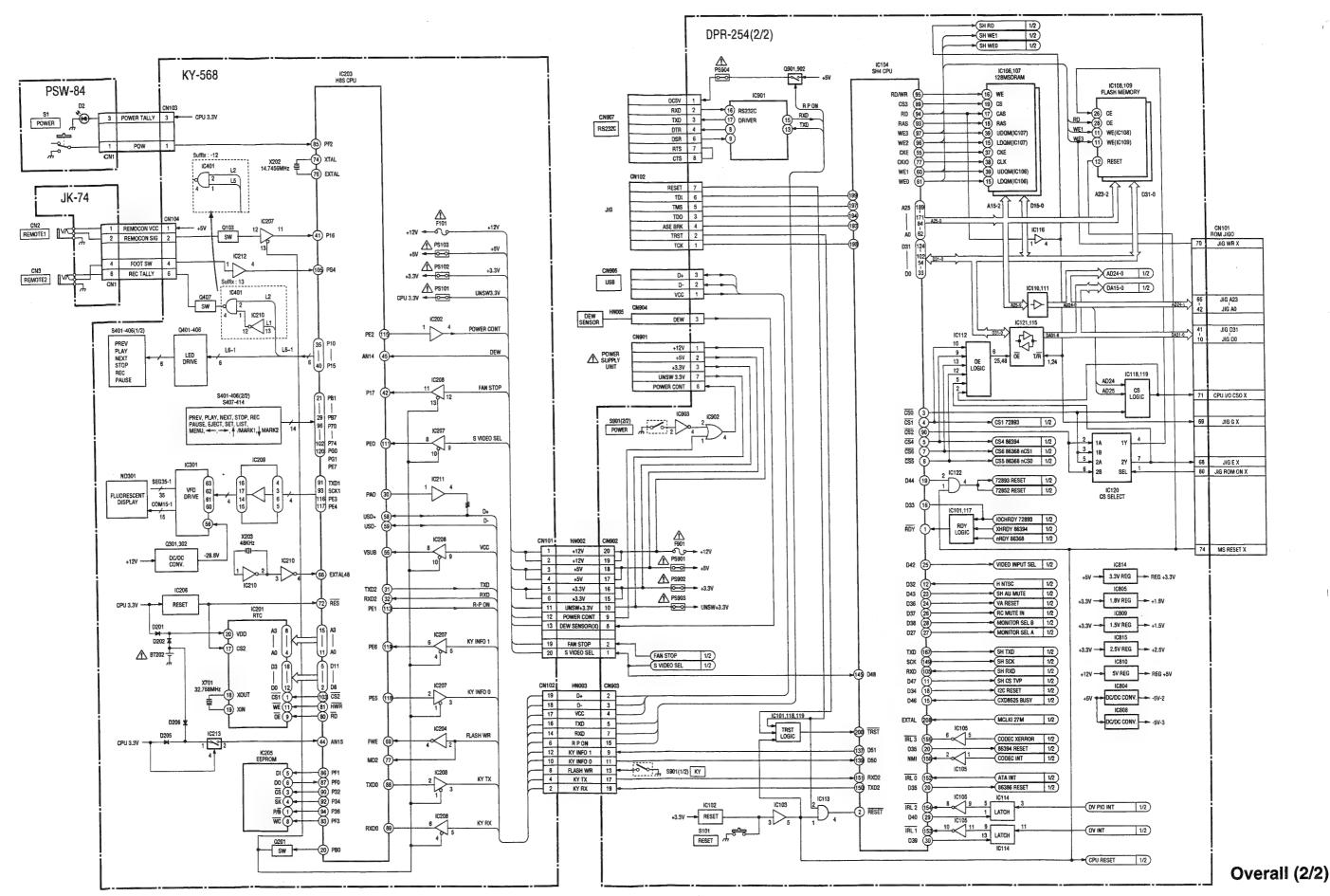
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DTA123JE-TL	TC001-04
DTC123JE	TC001-03
DTC123JE-TL	
DTC144EE	
DTC144EE-TL	
SI4431DY-T1	TC012-04
IC	Page or iD No.
AD1895AYRSRL	AD1896YRS
ADV7300	
AK4324-VF-E2	
BR9040F-WE2	BR9040F-WE2
CXD8525N-E2	CXD8525N
HY57V161610ETP-7DR	MB81F161622B-80FN
IS42S32200B-6TL-TR	.IS42S32200B-6TL-TR
L78M05TLL-SONY-TL	L78M05T-FA
LMH6642MFX	AD8055ART-REEL7
LT1107CS8-E1	LT1107CS8-E1
MC33269DTRK-3.3	MC33269DTRK-3.3
MC74HC4052ADTR2	MC74HC4052N
MSM9202-05GS-KDR1	MSM9202-03GS-K
NJM4580E-D	RC4558
NJM78M05DL1A-TE1	NJM78M12DLA_TE1

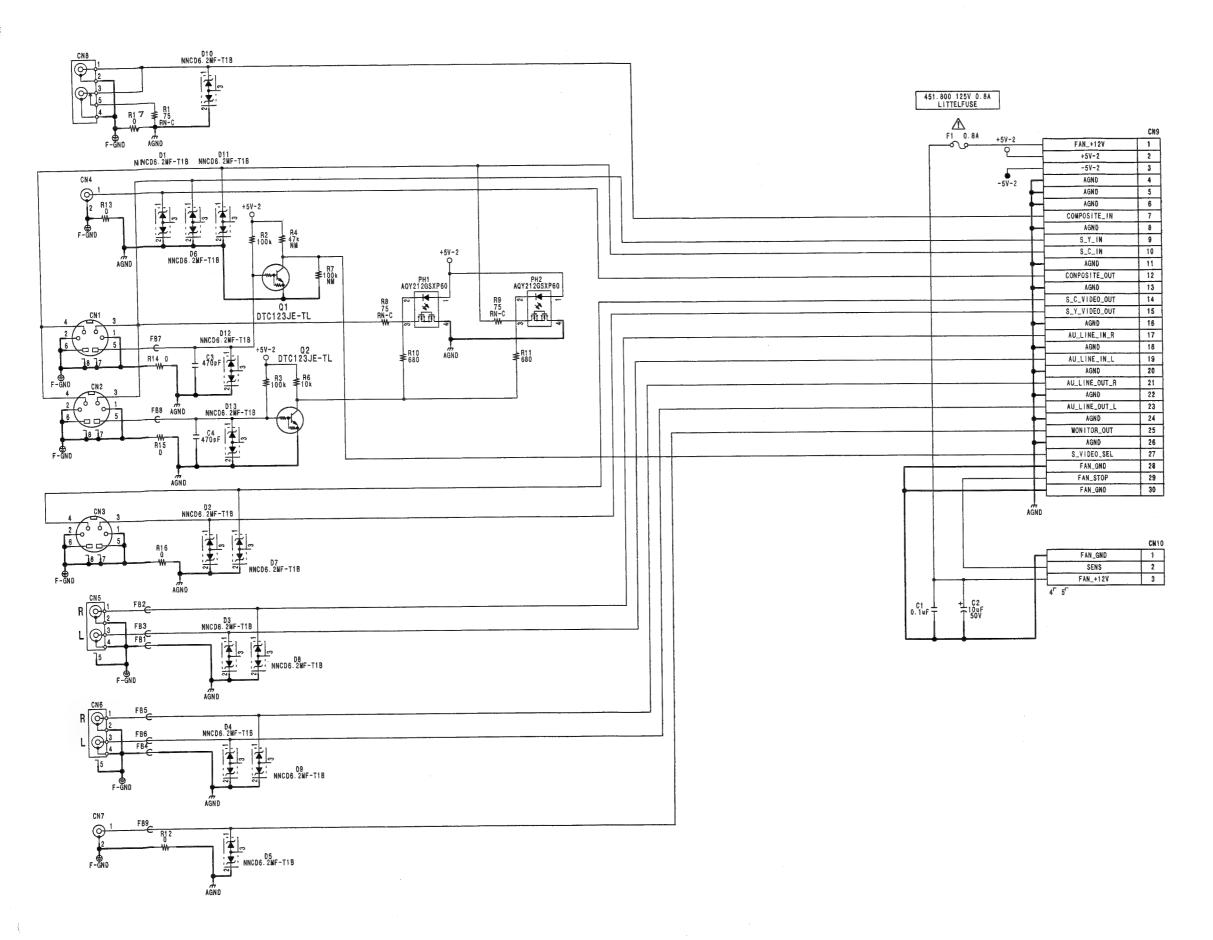
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IC	Page or ID No.
S-80928CNNB-G8YT2G	S-80920CNNB-G8Q-T2
SN74CBTLV16211GR	SN74CBT16211ADGGR
TC74HC4052AFT(EL)	MC74HC4052N
TC74LCX16245AFT(EL)	IDT74FCT16245ATPV-TR
TC74LCX541FT(EL)	MC74HC541N
TC74LCX74FT(EL)	TC74HC74P
TC74VHC04FT(EL)	TC74HC04P
TC74VHC08FT(EL)	TC74HC08P
TC74VHC10FT(EL)	TC74HC10P
TC74VHC125FT(EL)	MC74HC125N
TC74VHC157FT(EL)	TC74HC157P
TC74VHC21FT(EL)	TC74HC21P
TC74VHCT541AFT(EL)	MC74HC541N
TC74VHCU04FT(EL)	TC74HC04P
TC7S66FU	SC14S66F
TC7WH04FK(TE85R)	TC7W04F
TC7WH245FU(TE12R)	TC7WH245FU_TE12R
TVP5145PFP	TVP5145PFP
UPC2918T-E1	L78M05T-FA
UPC2925T-E1	L78M05T-FA
UPD4991AGS	UPD4991AGS

Section 10
Block and Schematic Diagrams







CP-389

BOARD NO. 1-863-934-11, 21 DVO-1000MD_CP-389_011_1

DVO-1000MD SM

A B C D E F G H

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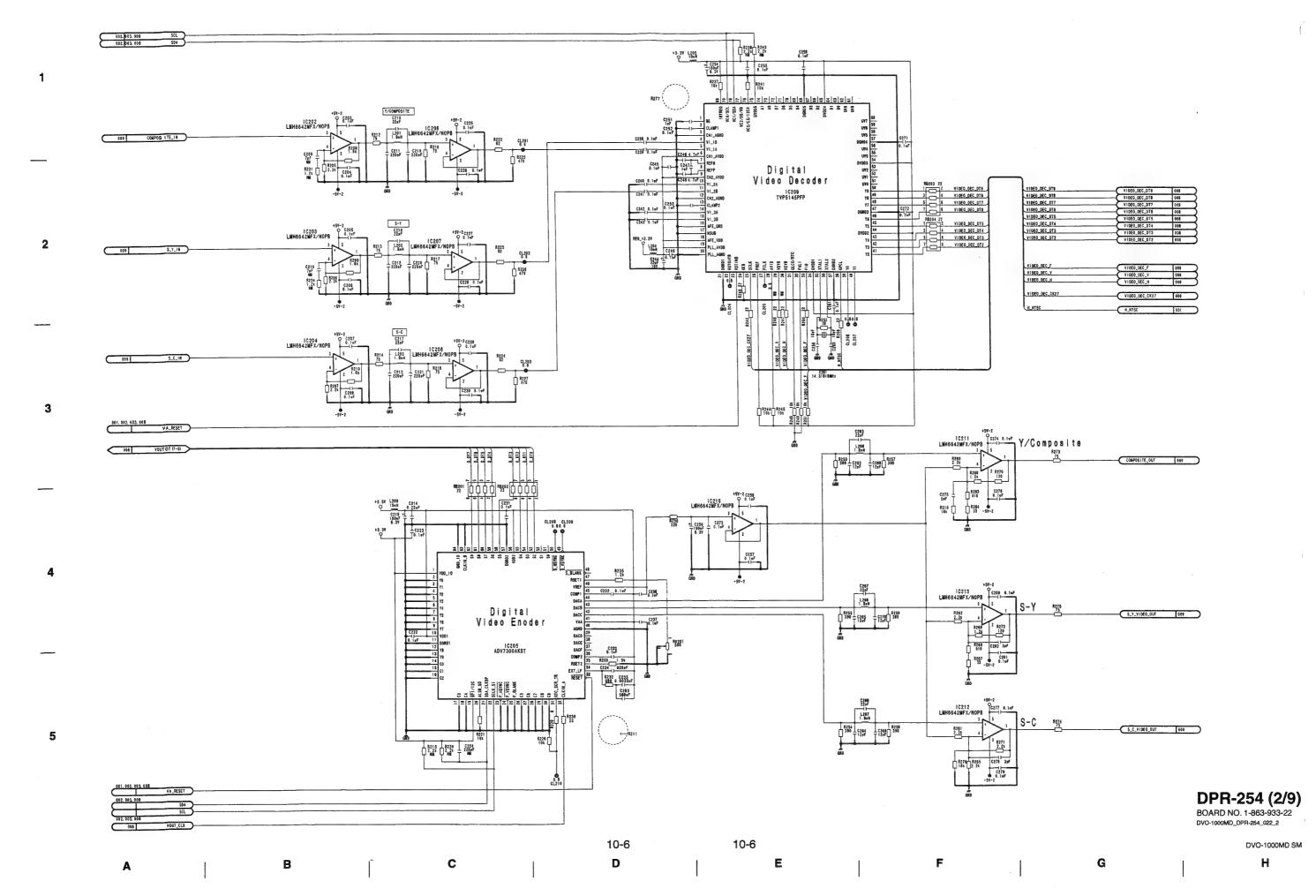
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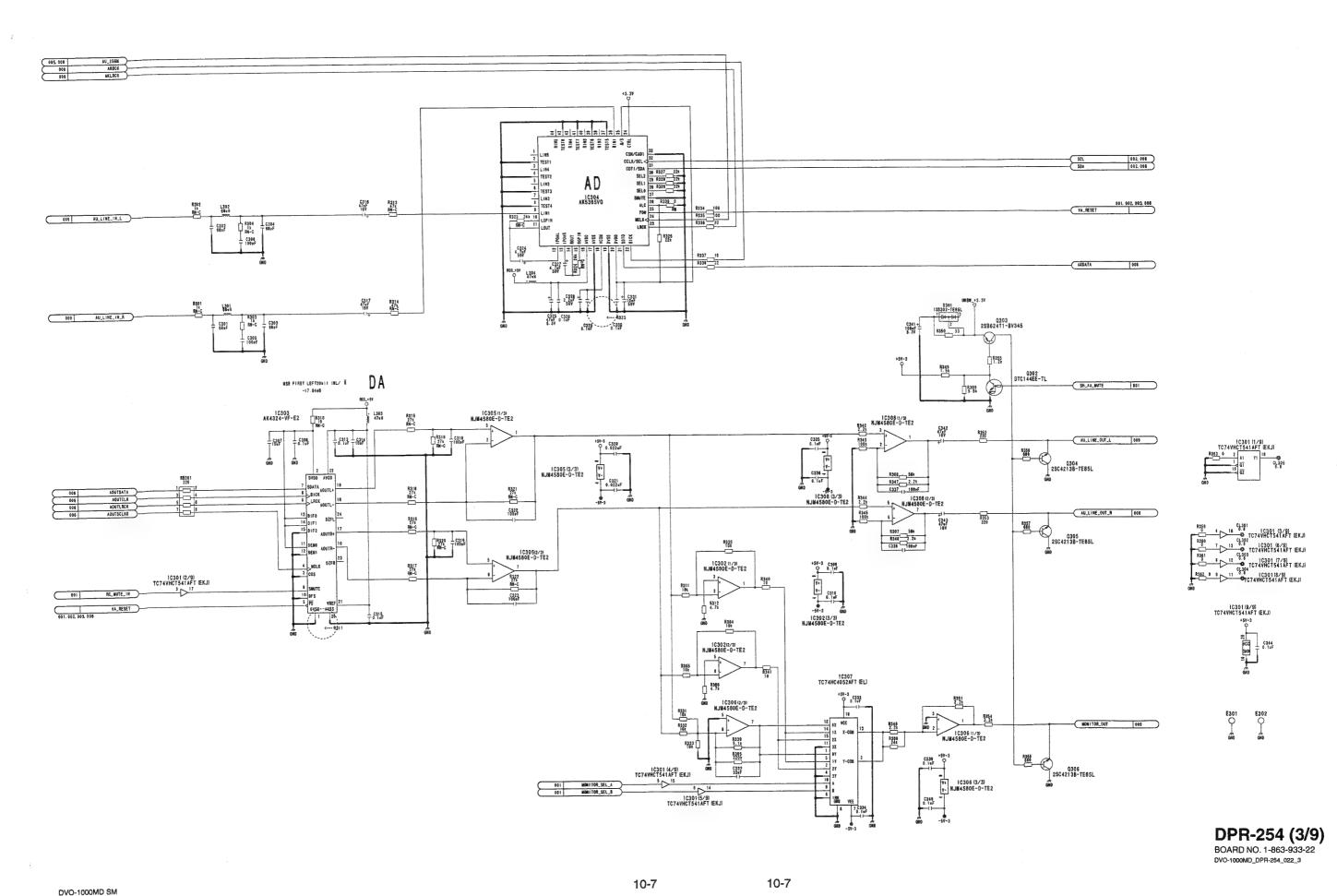
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E

10-4

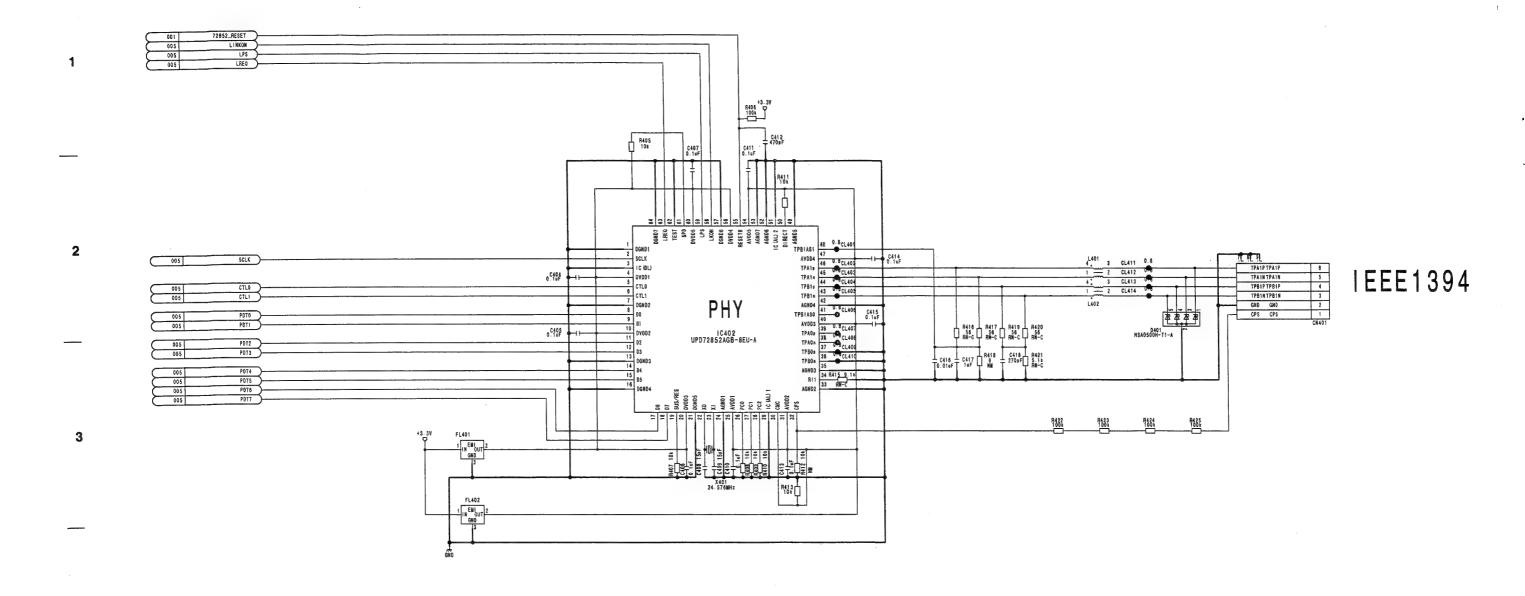




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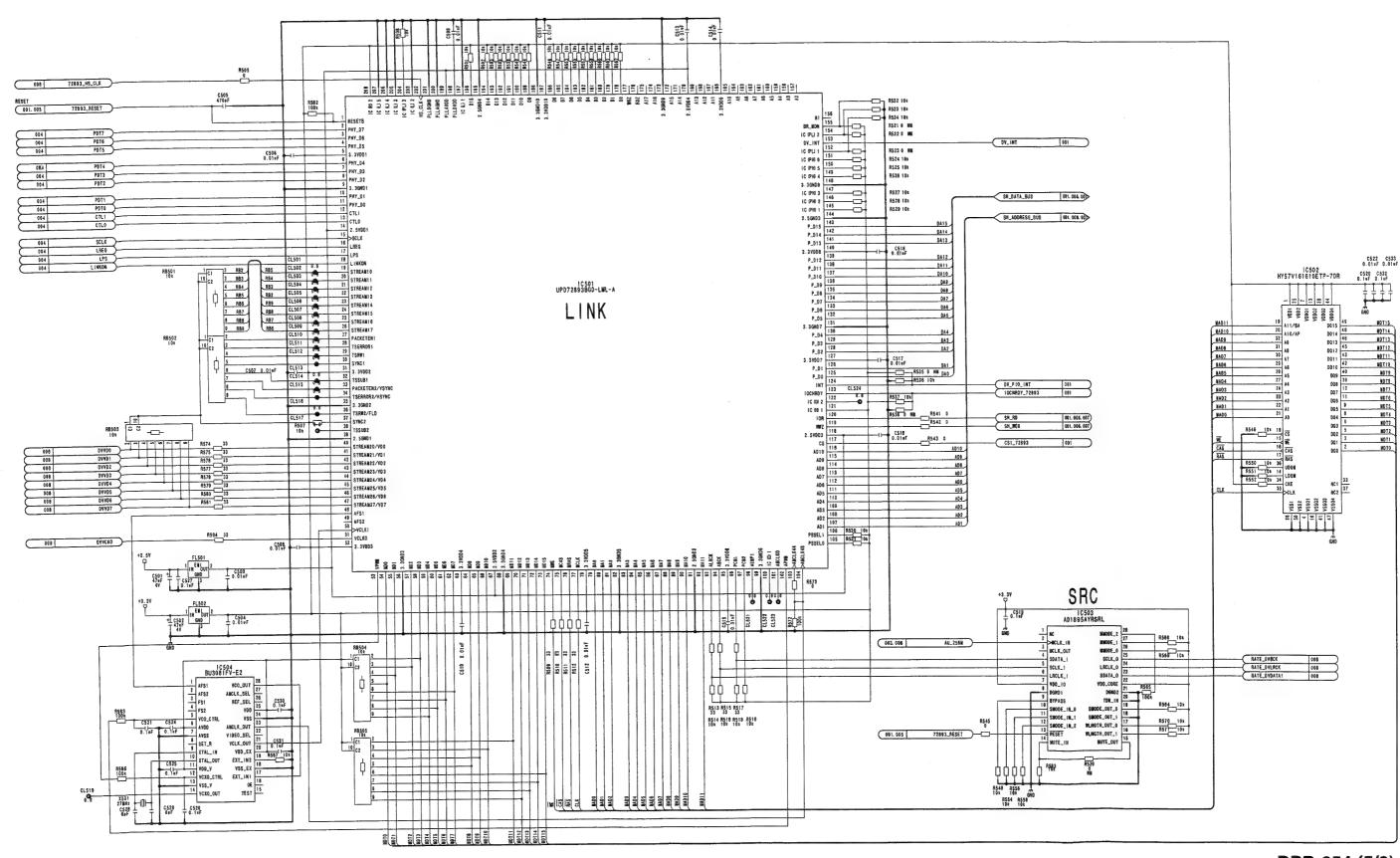
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DPR-254 (4/9) BOARD NO. 1-863-933-22 DVO-1000MD_DPR-254_022_4

10-8 10-8 DVO-1000MD SM D

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DPR-254 (5/9) BOARD NO. 1-863-933-22

DVO-1000MD_DPR-254_022_5

DVO-1000MD SM

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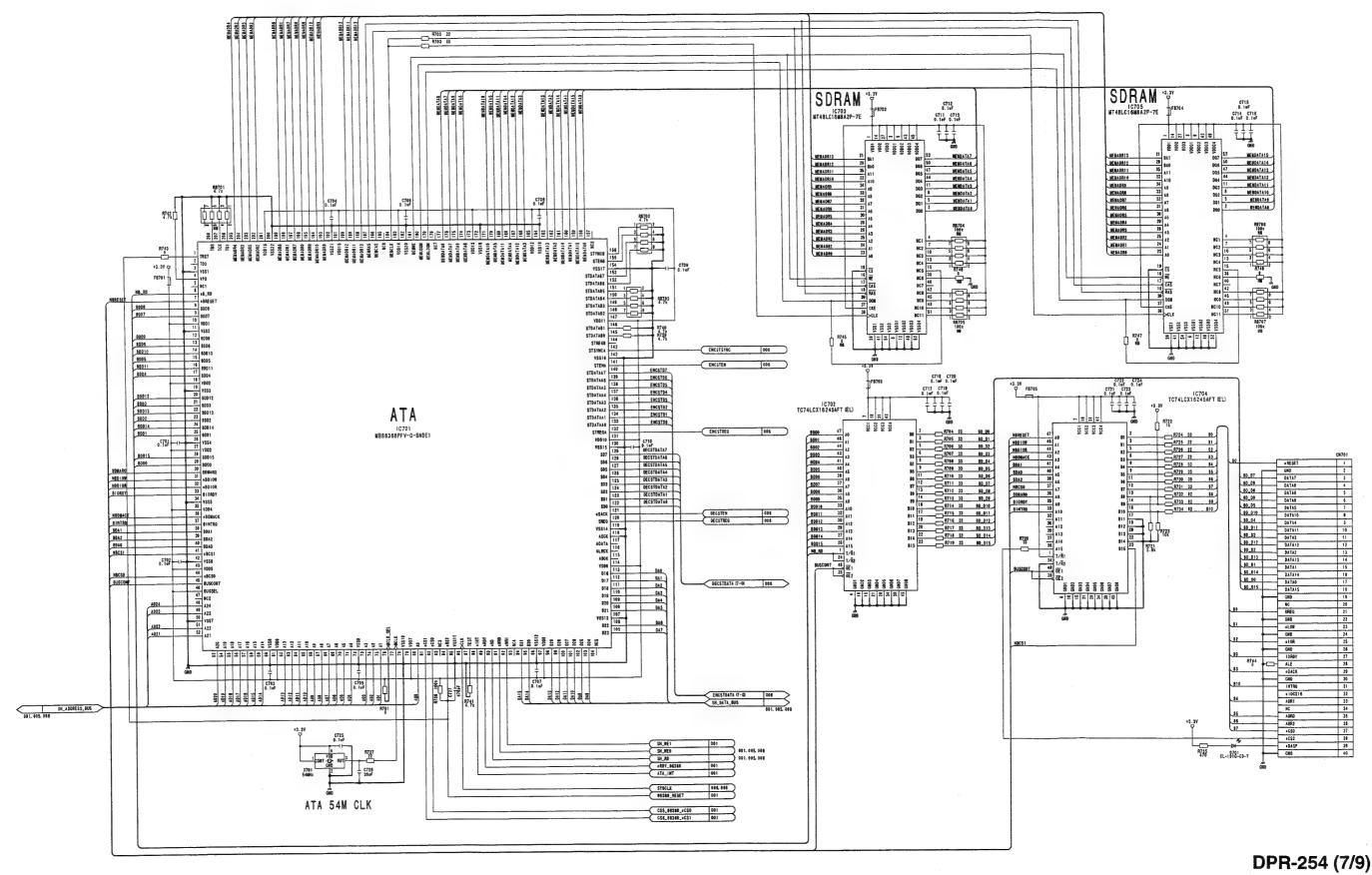
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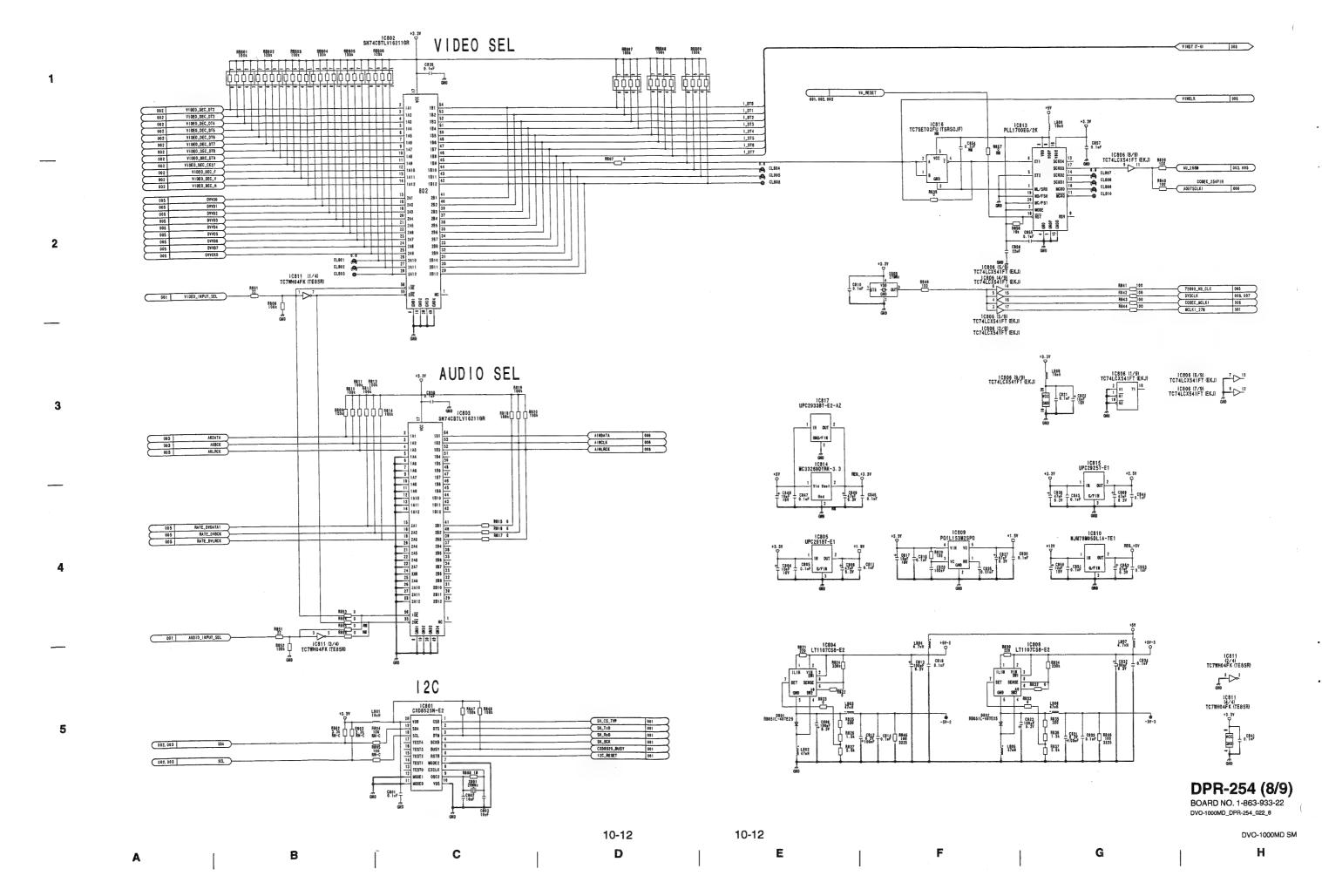


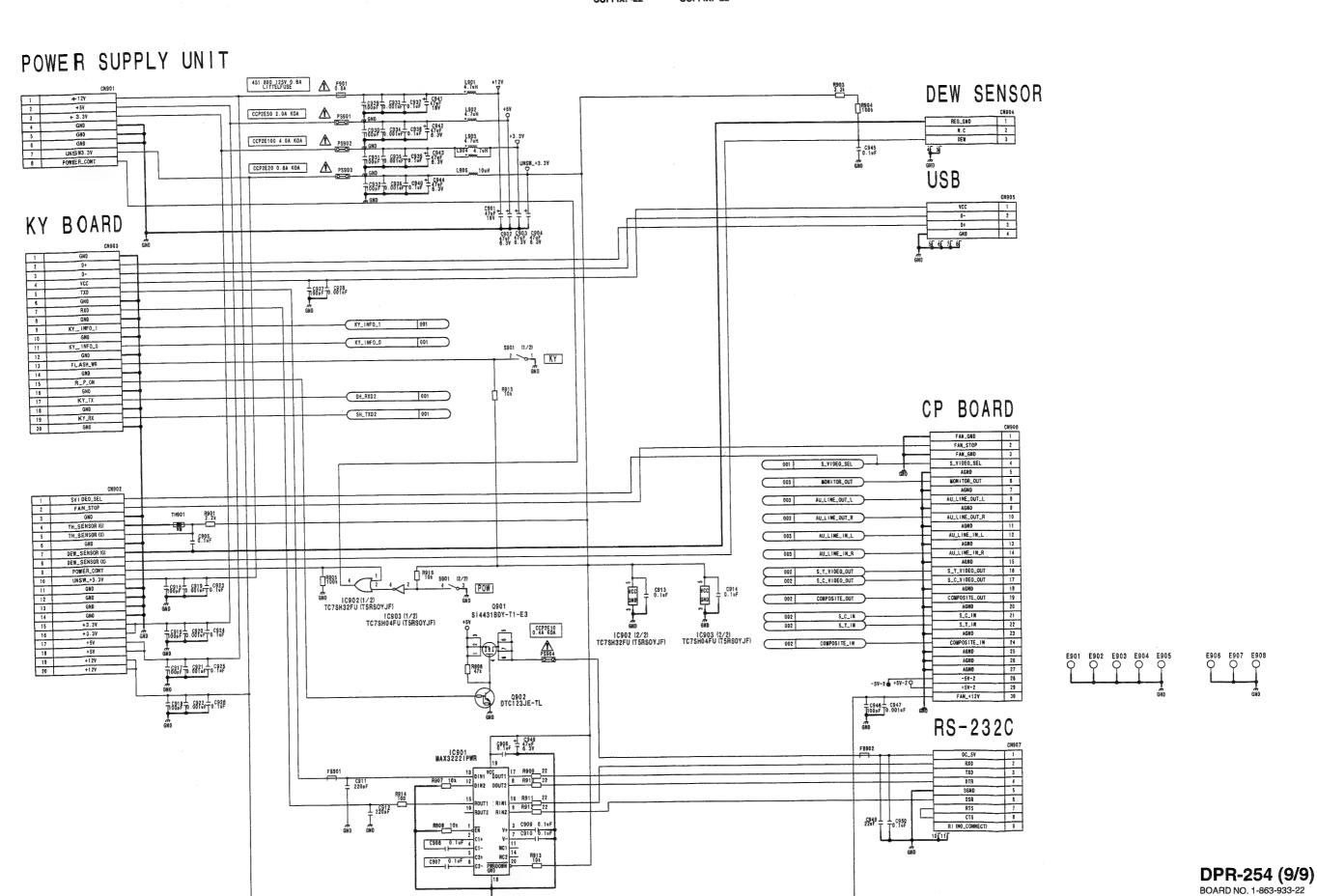
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DVO-1000MD SM

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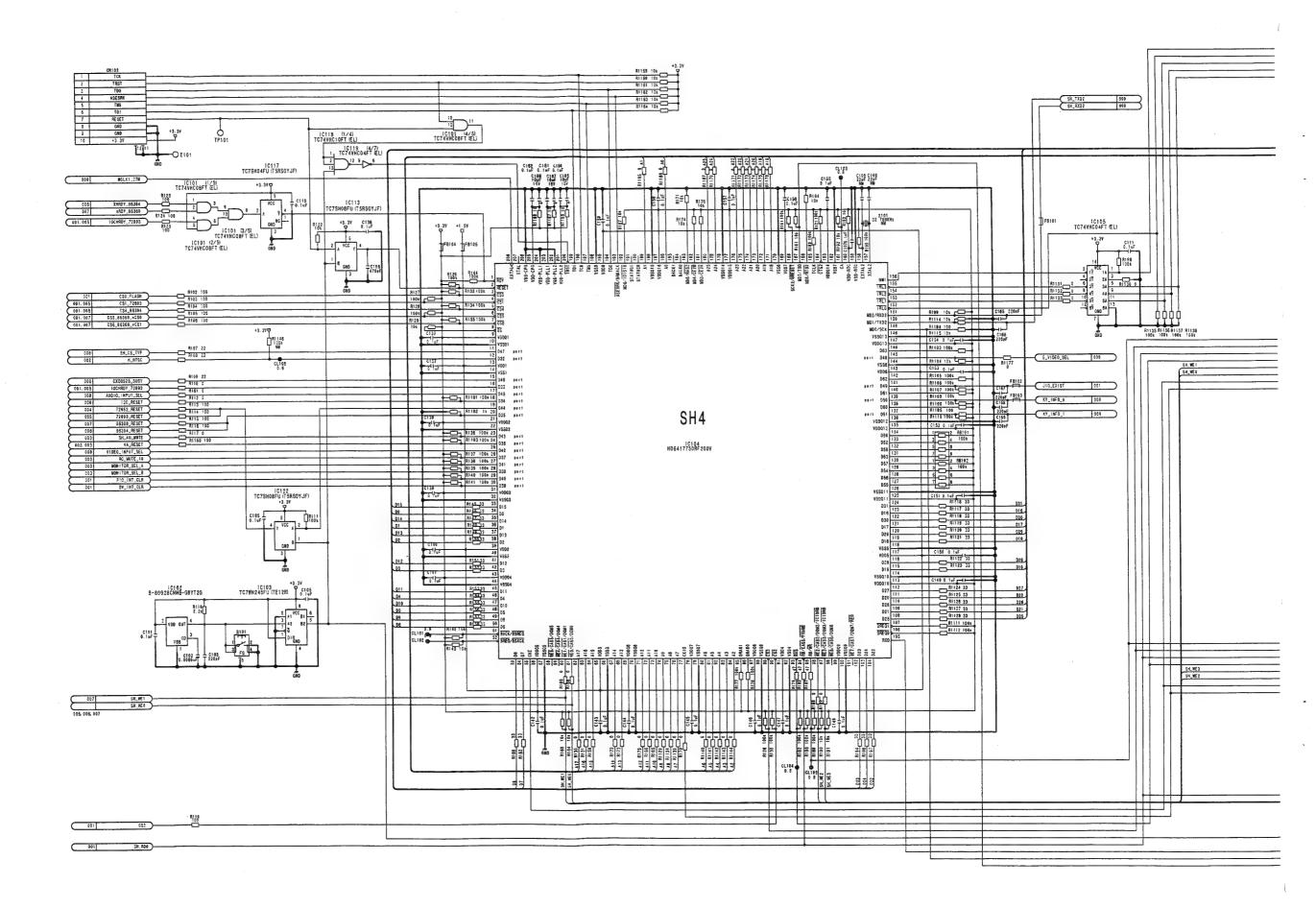
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DVO-1000MD_DPR-254_022_9

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DVO-1000MD SM

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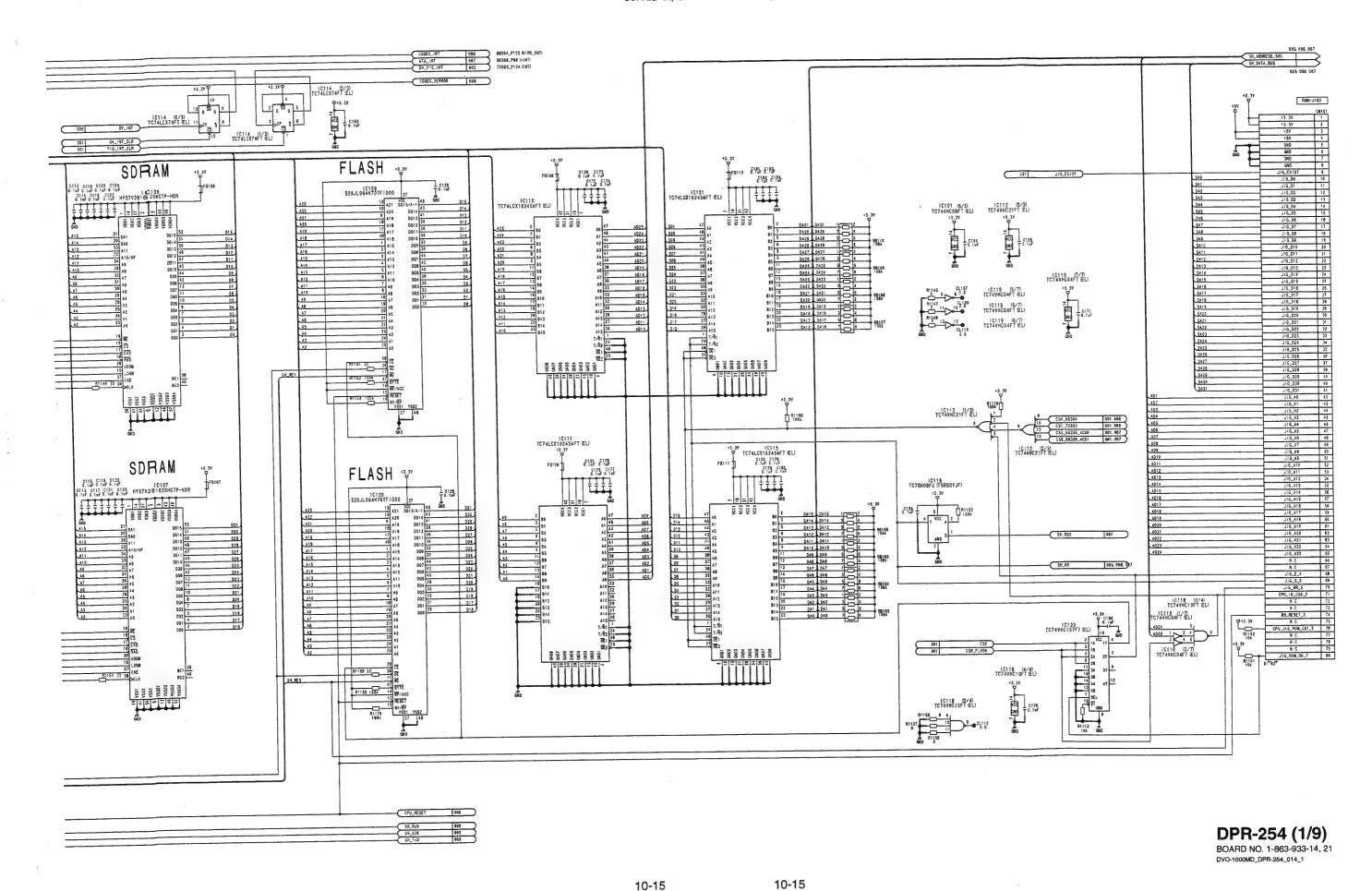
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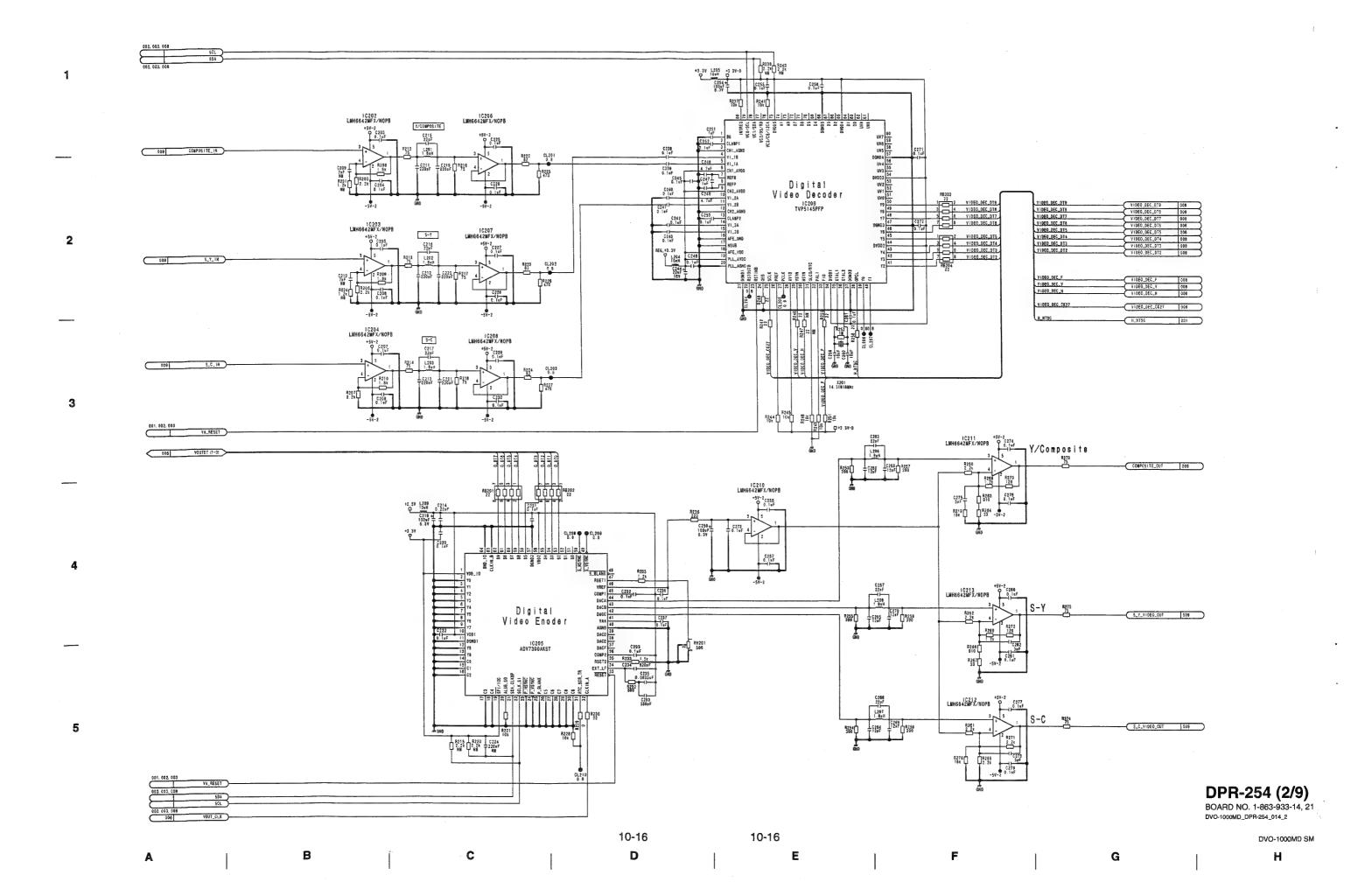
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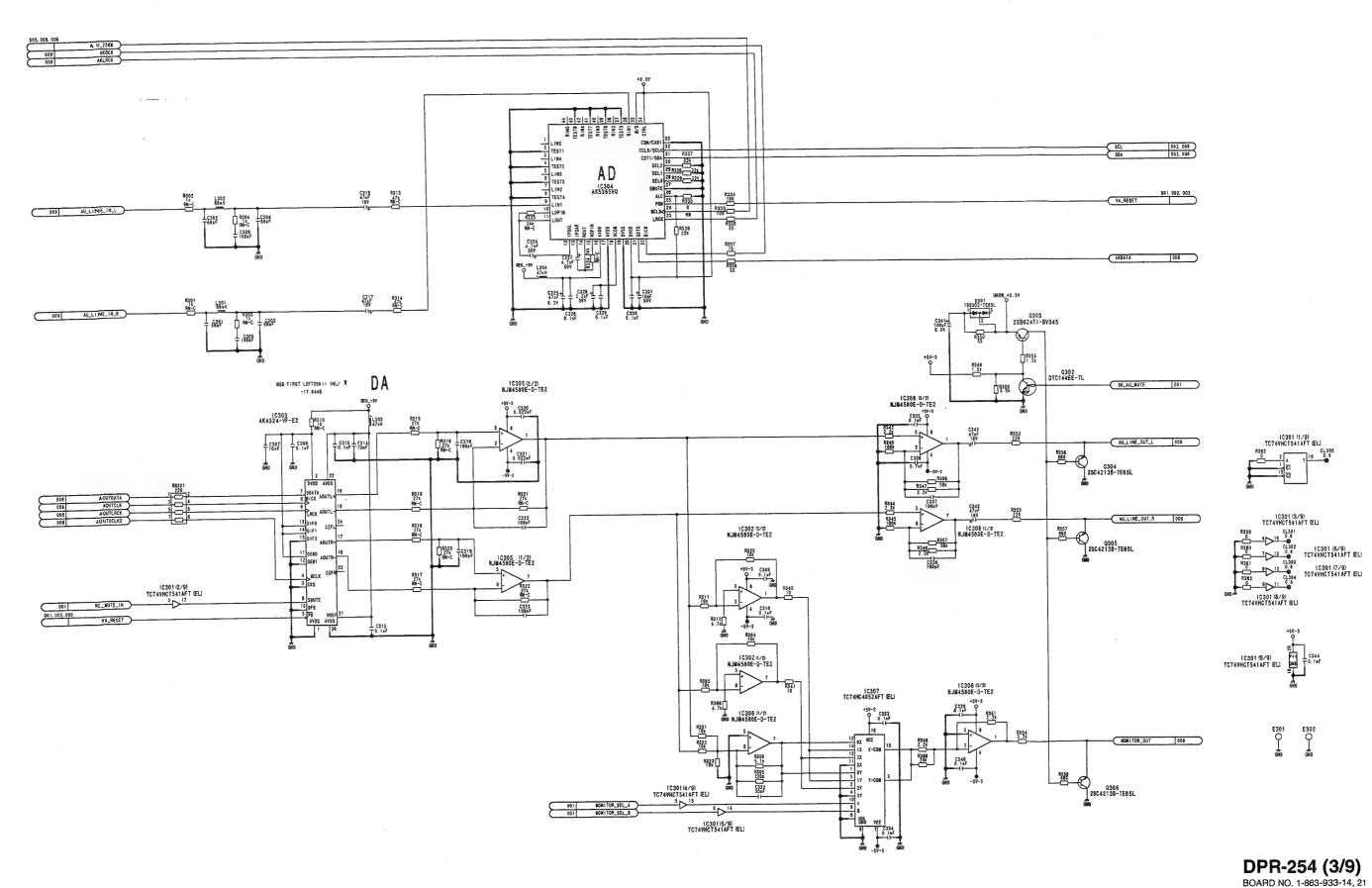
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DVO-1000MD SM

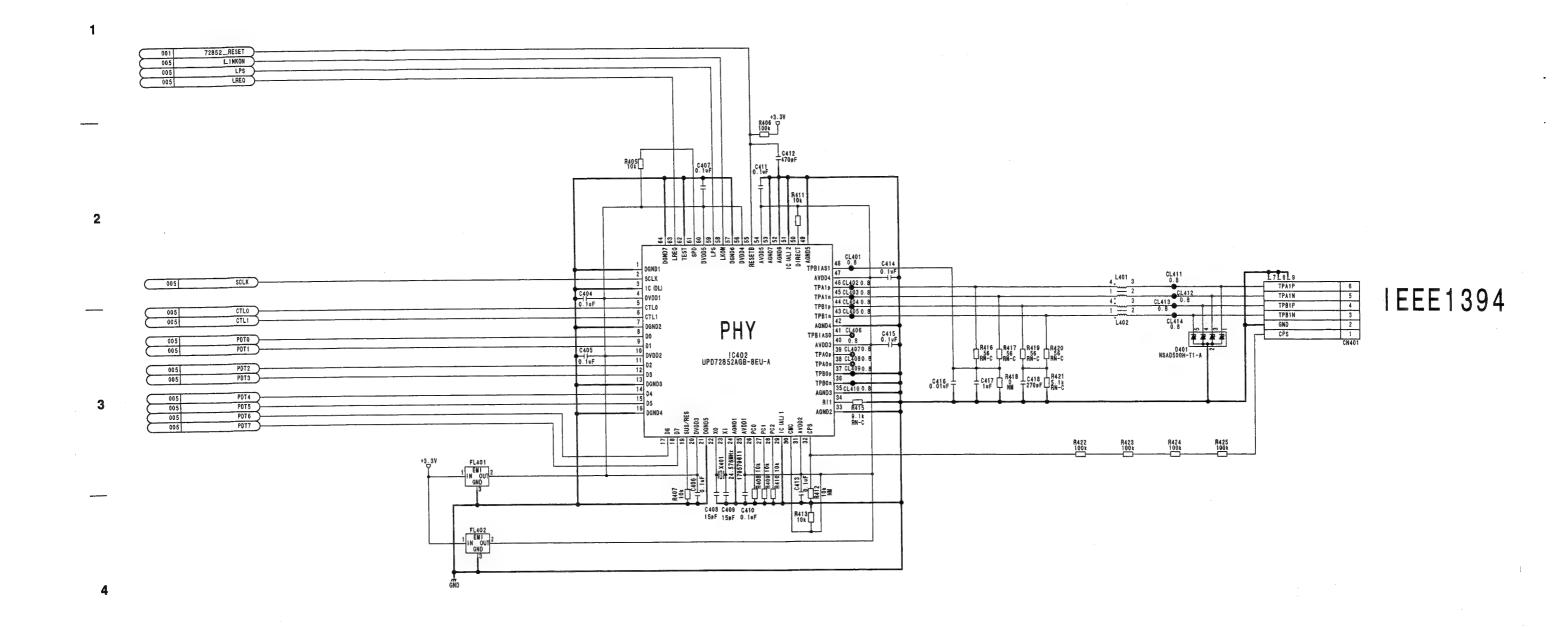
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DVO-1000MD_DPR-254_014_3

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DPR-254 (4/9)BOARD NO. 1-863-933-14, 21

BOAHD NO. 1-863-933-14, DVO-1000MD_DPR-254_014_4

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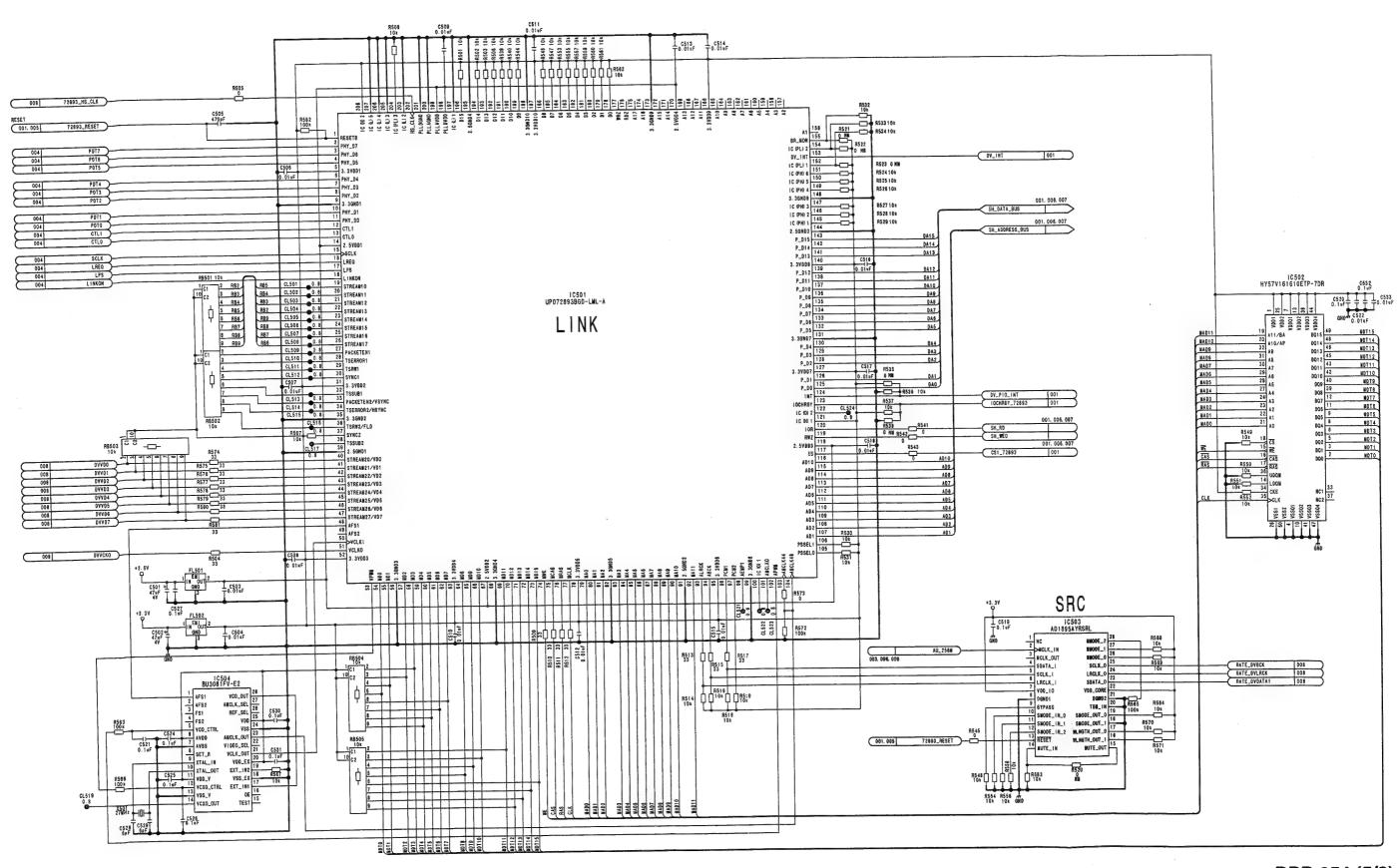
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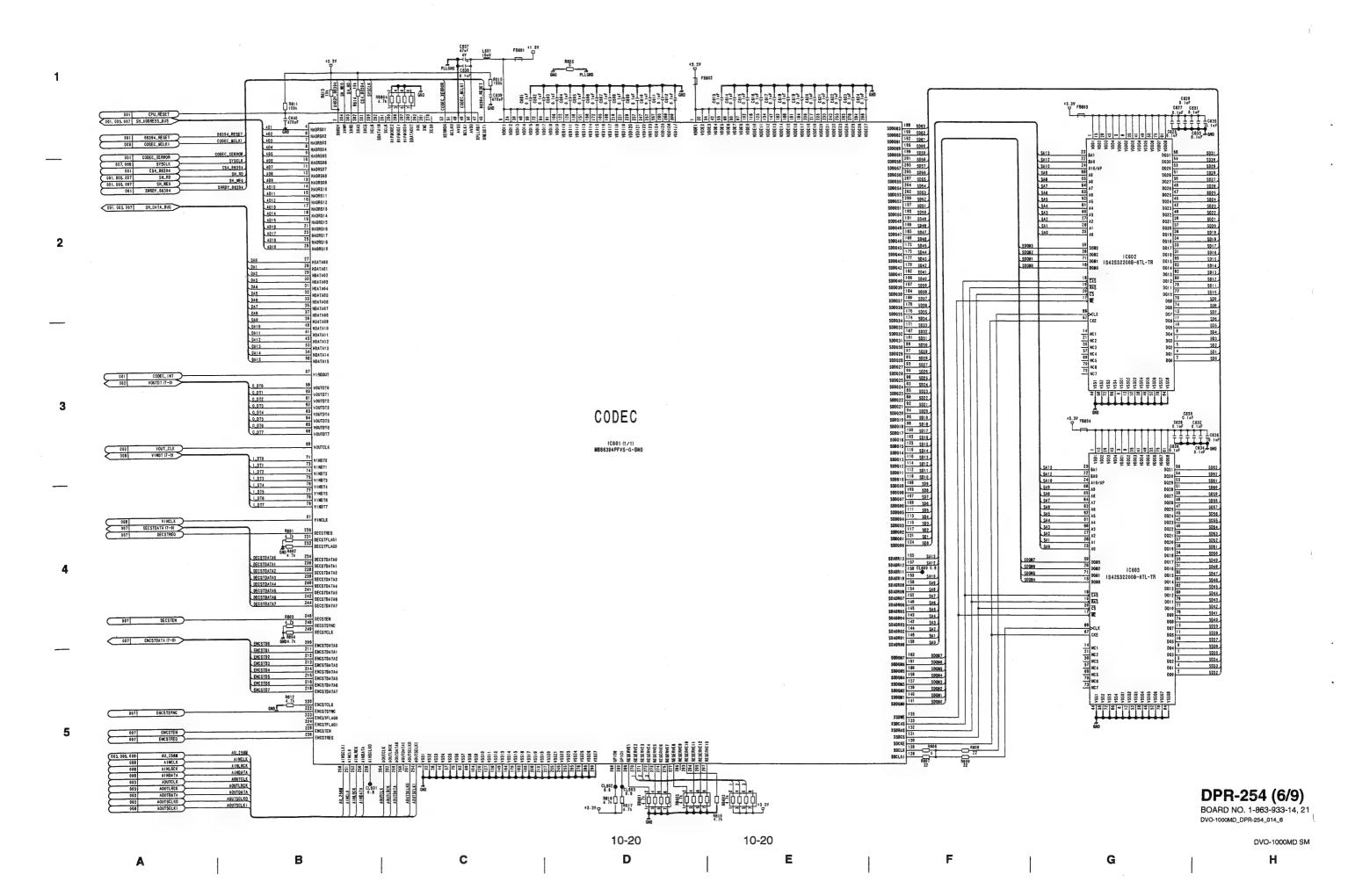
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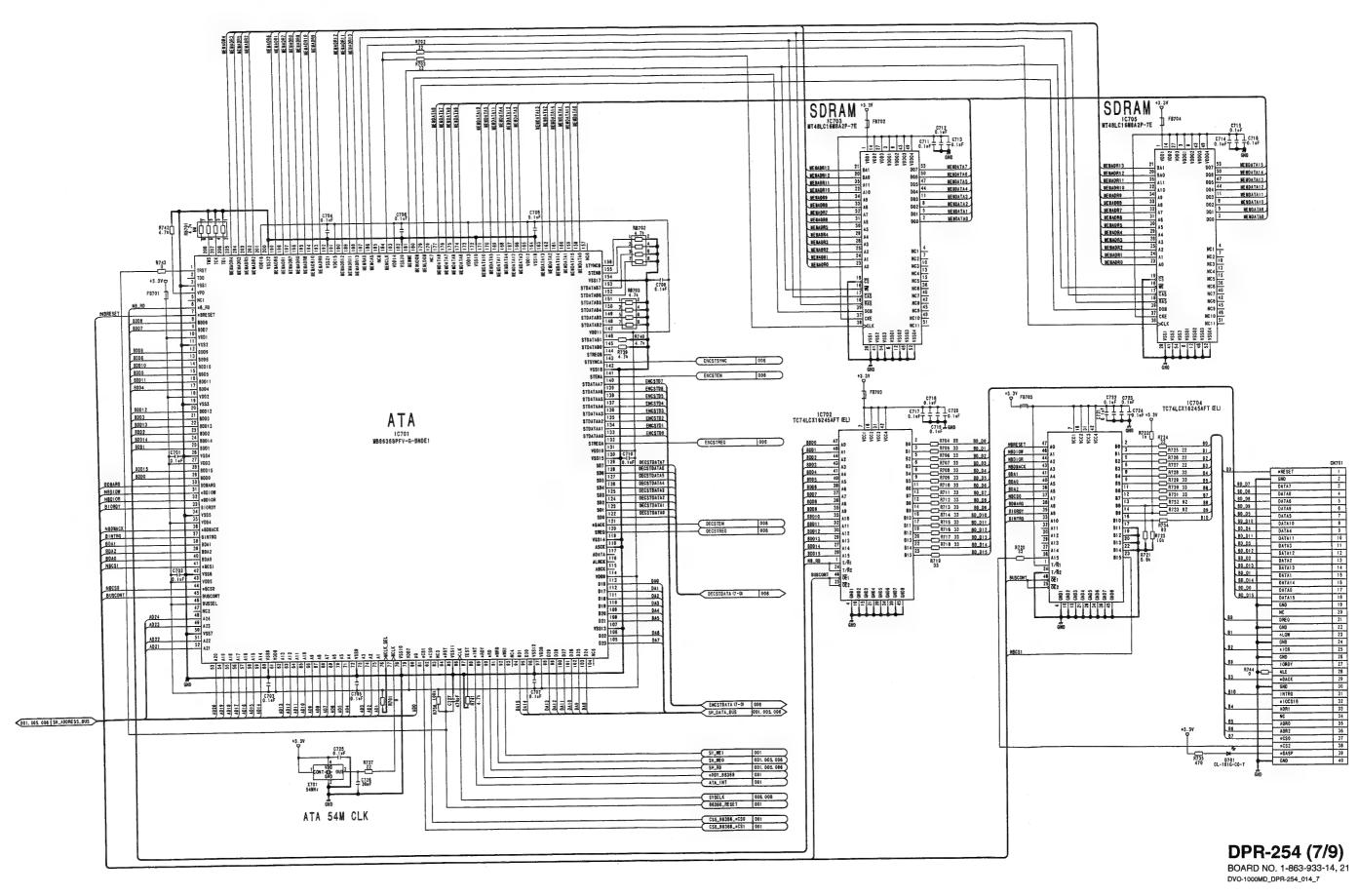


DPR-254 (5/9)

BOARD NO. 1-863-933-14, 21 DVO-1000MD_DPR-254_014_5

DVO-1000MD SM B C D E F G H





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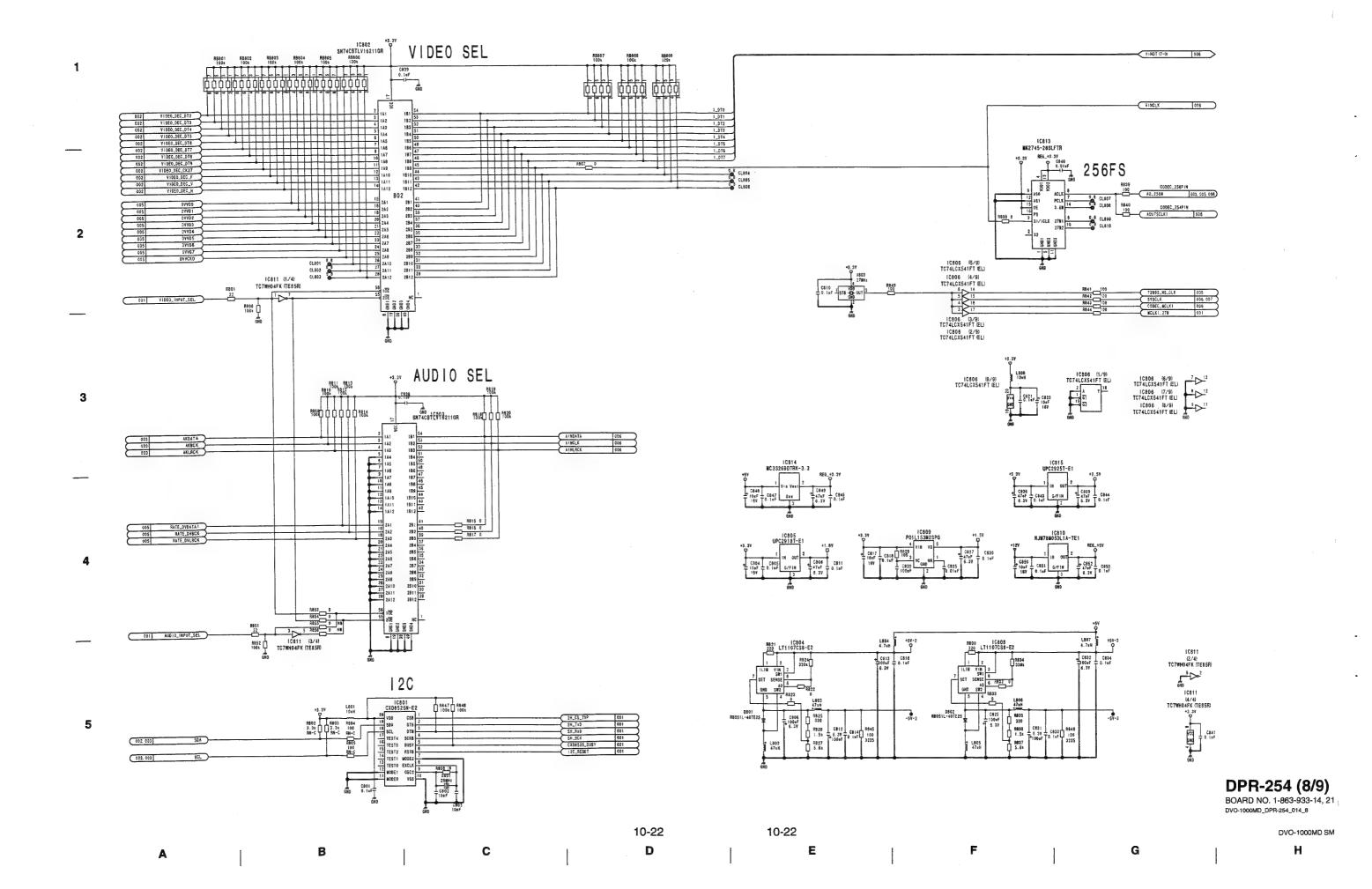
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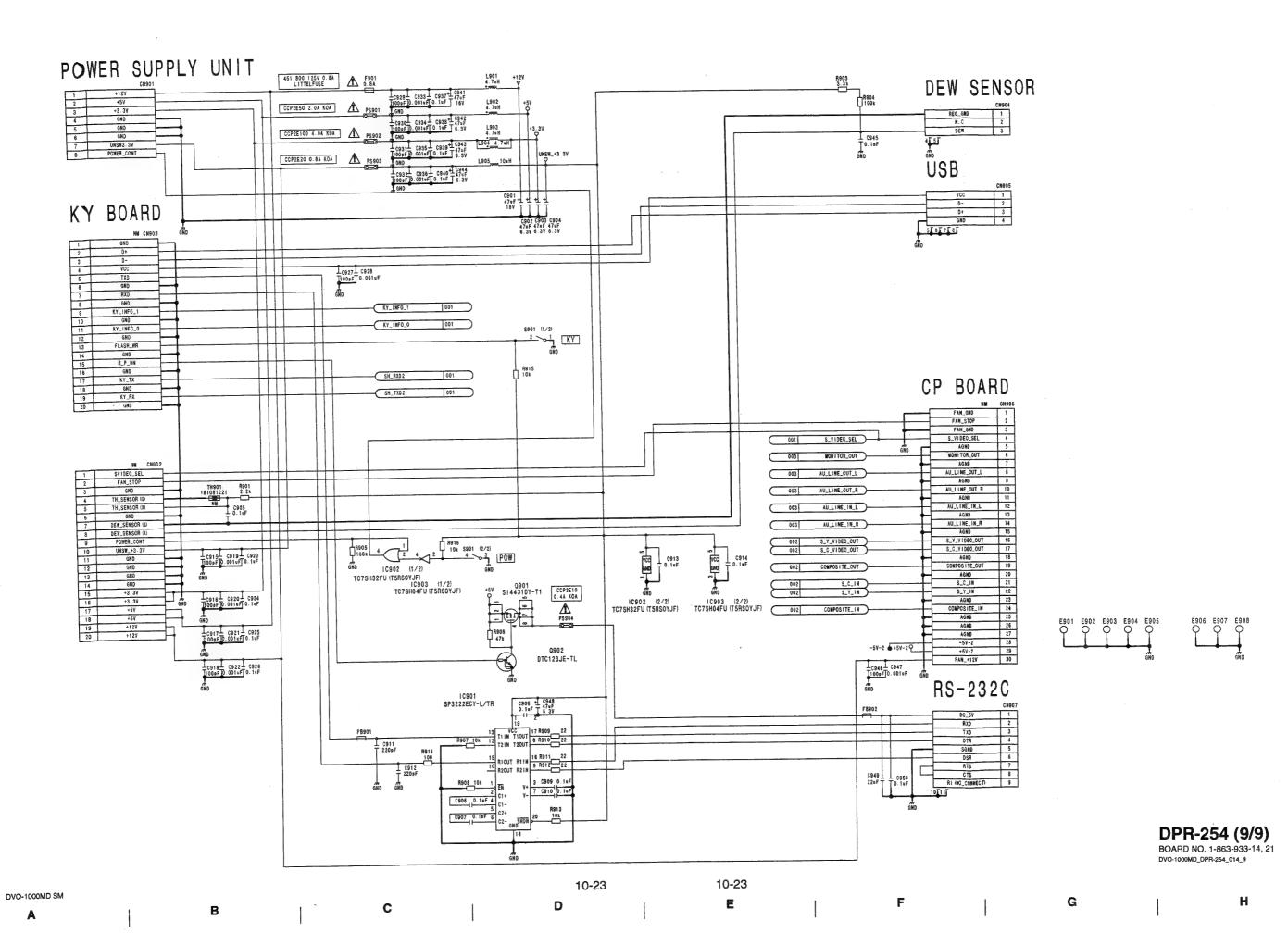
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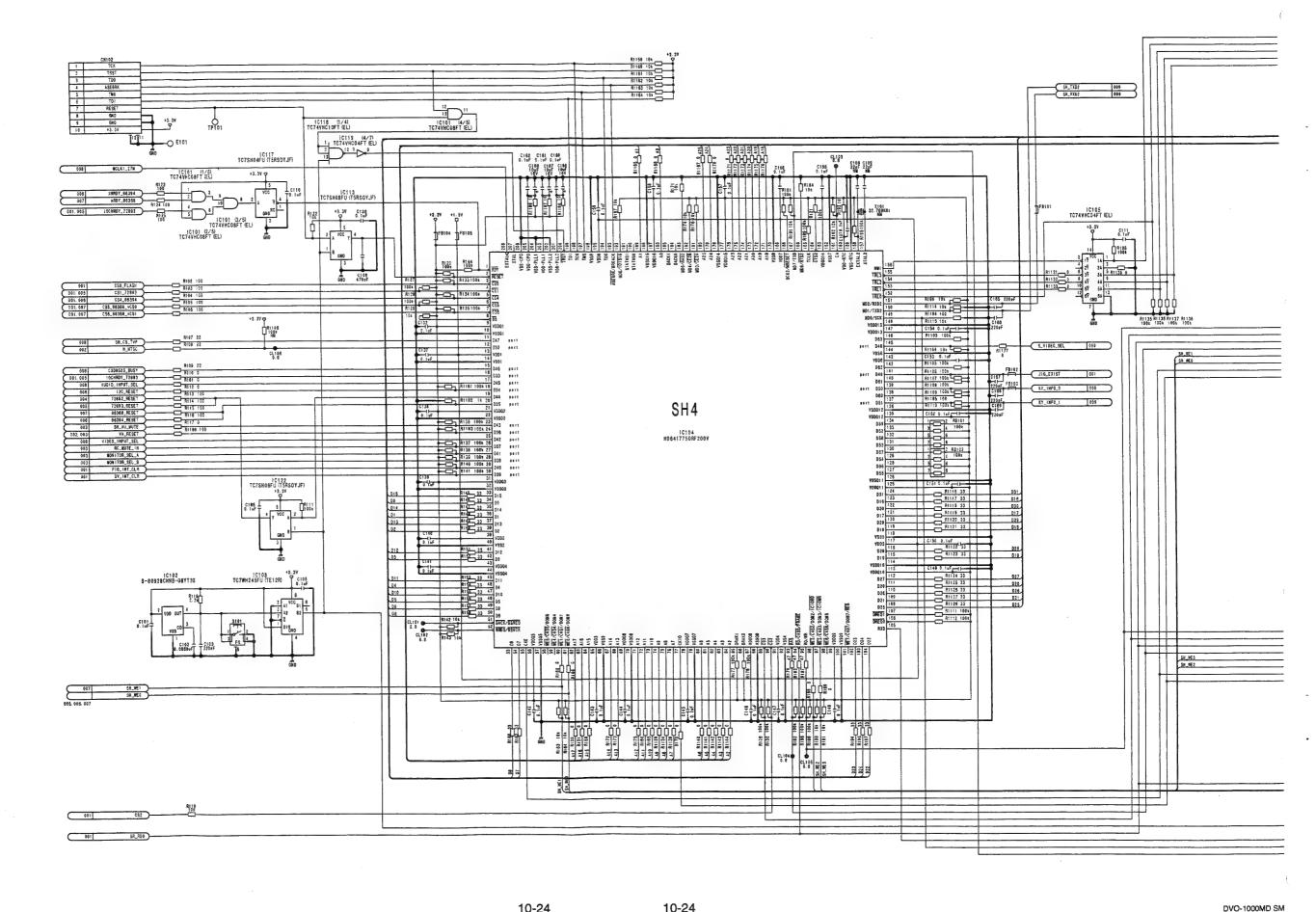
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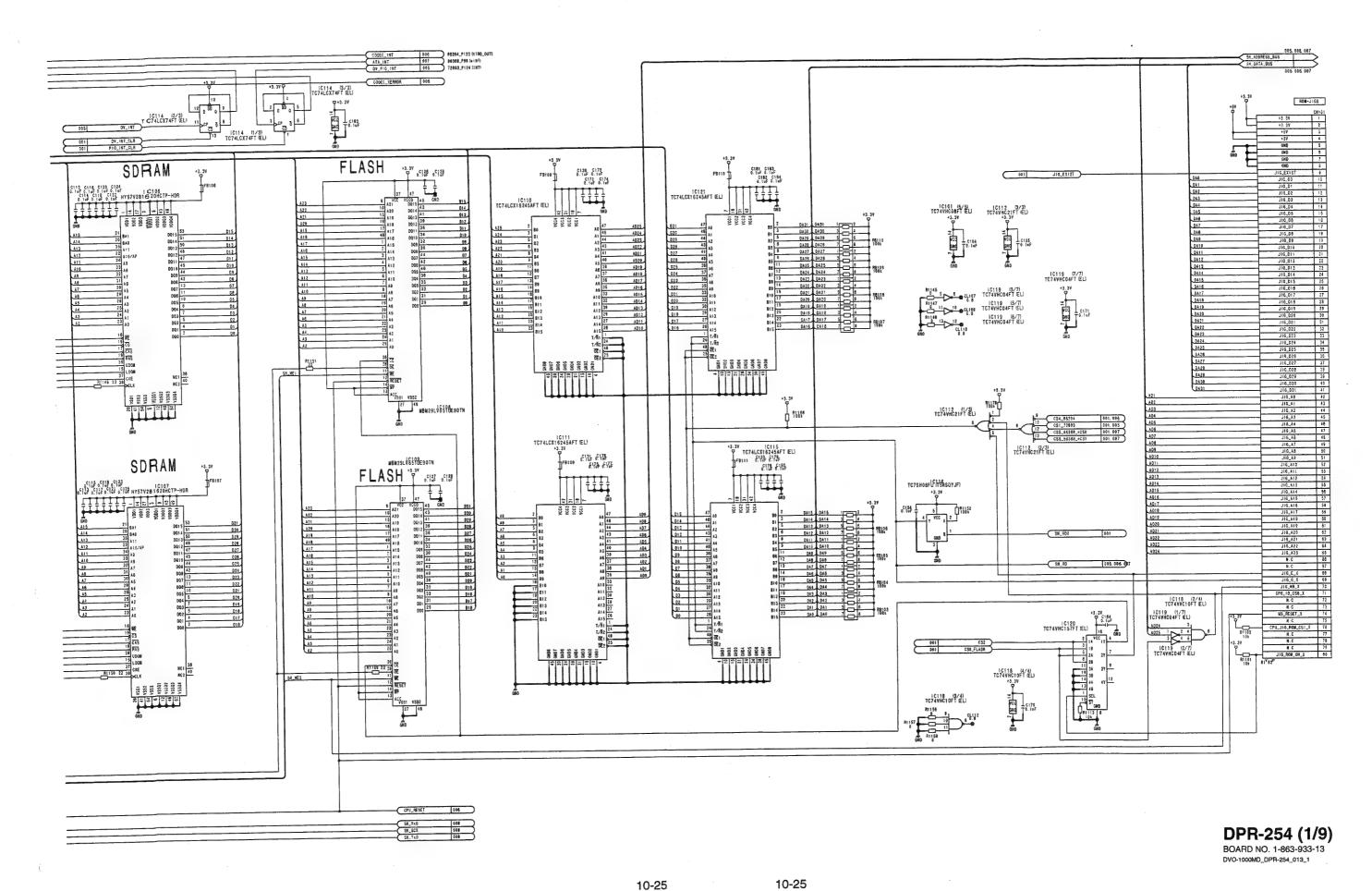
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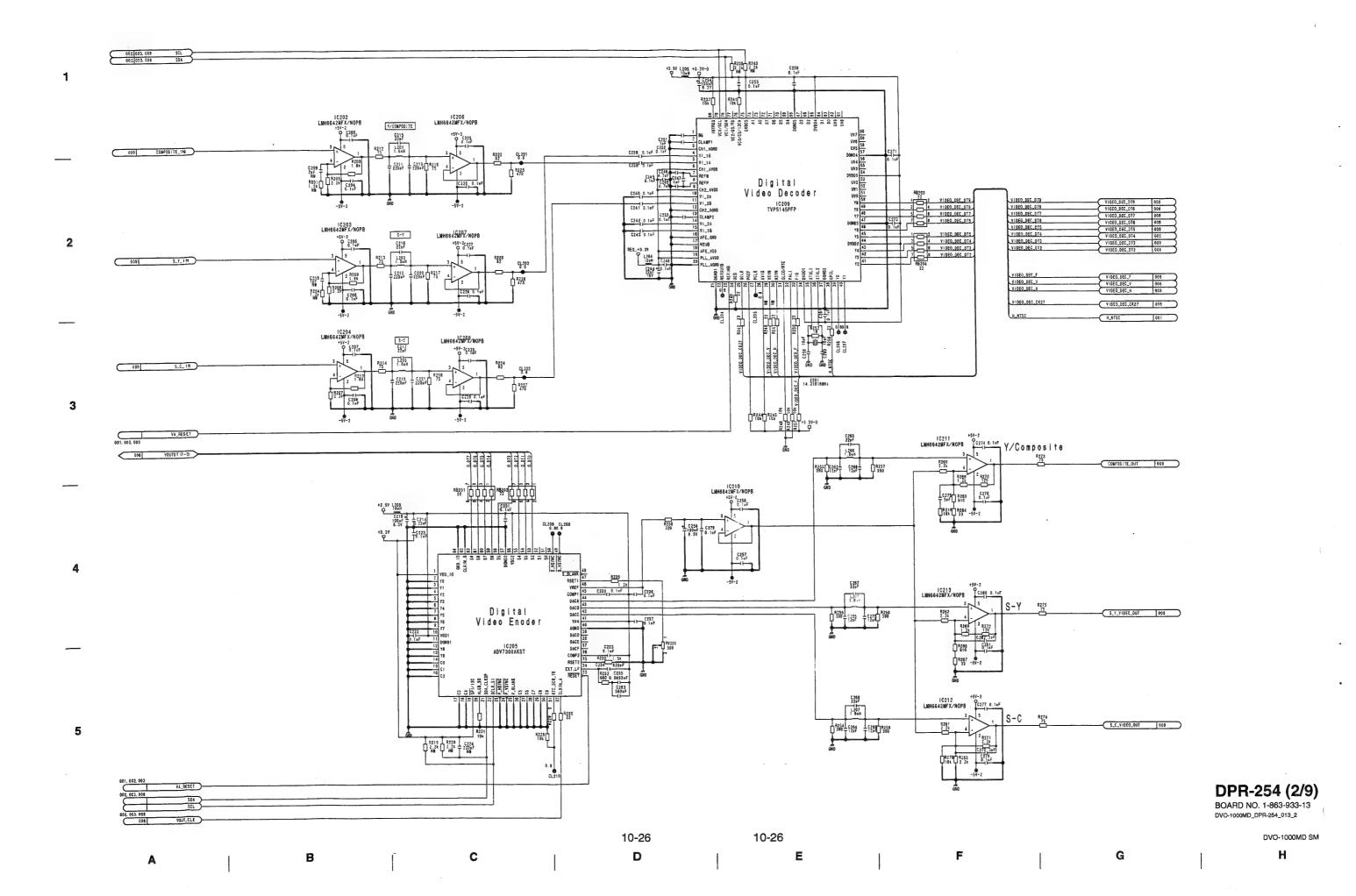
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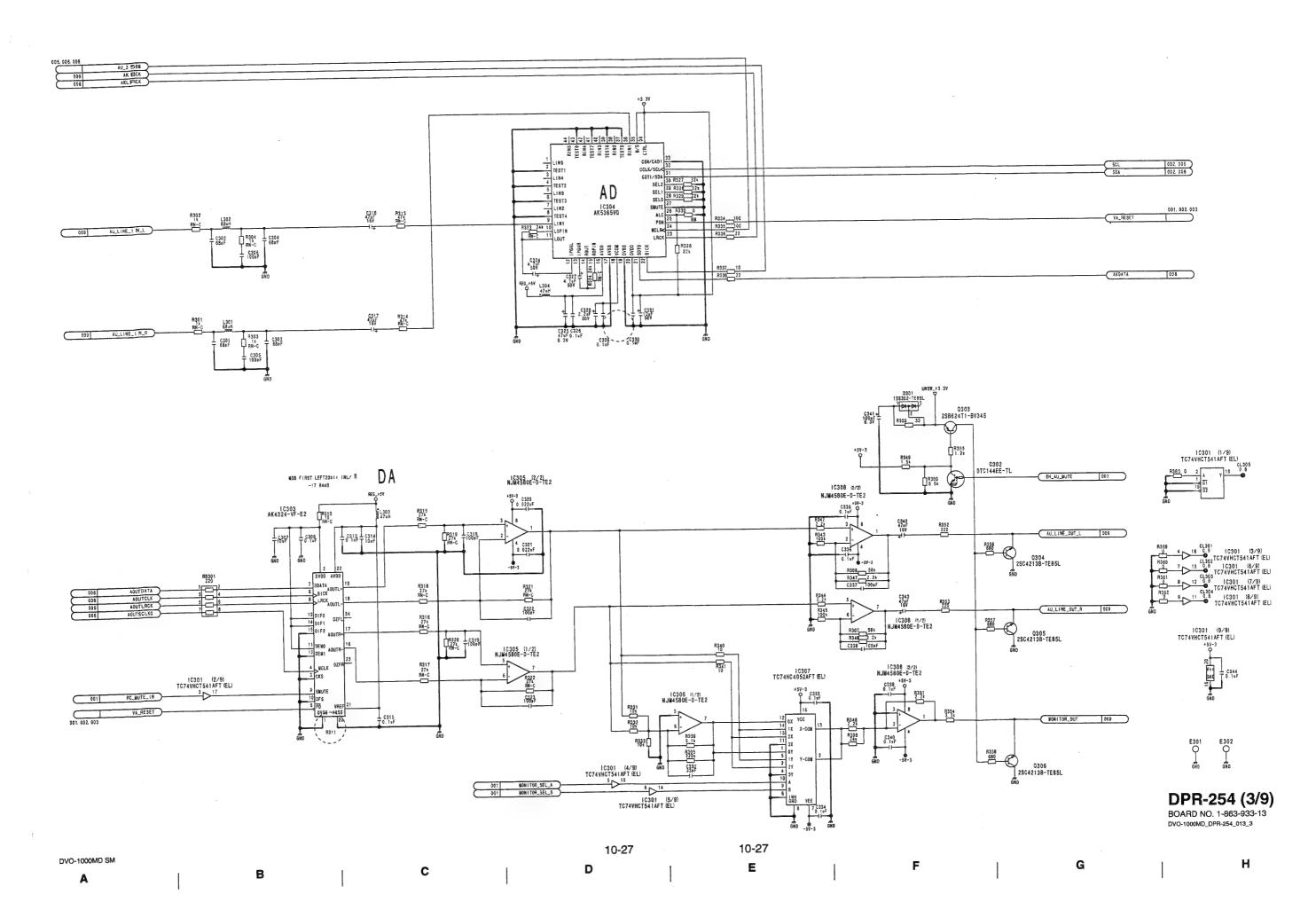


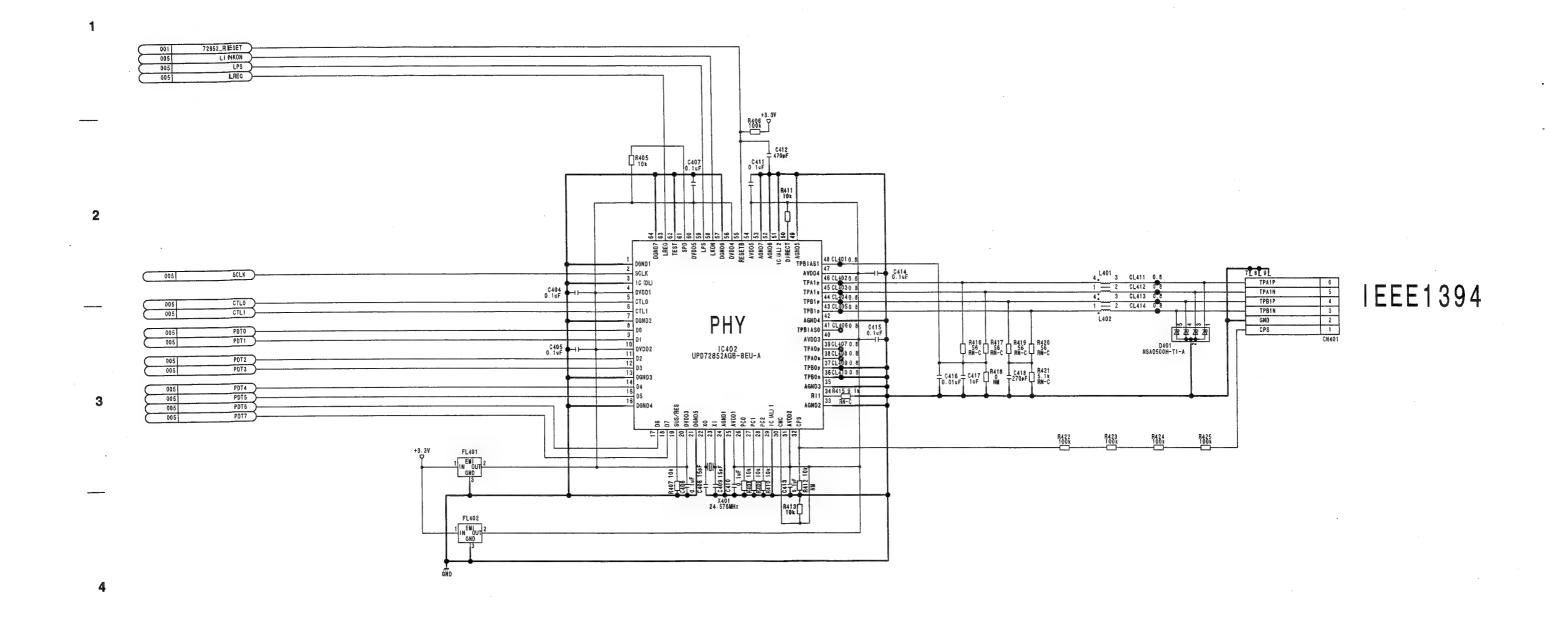
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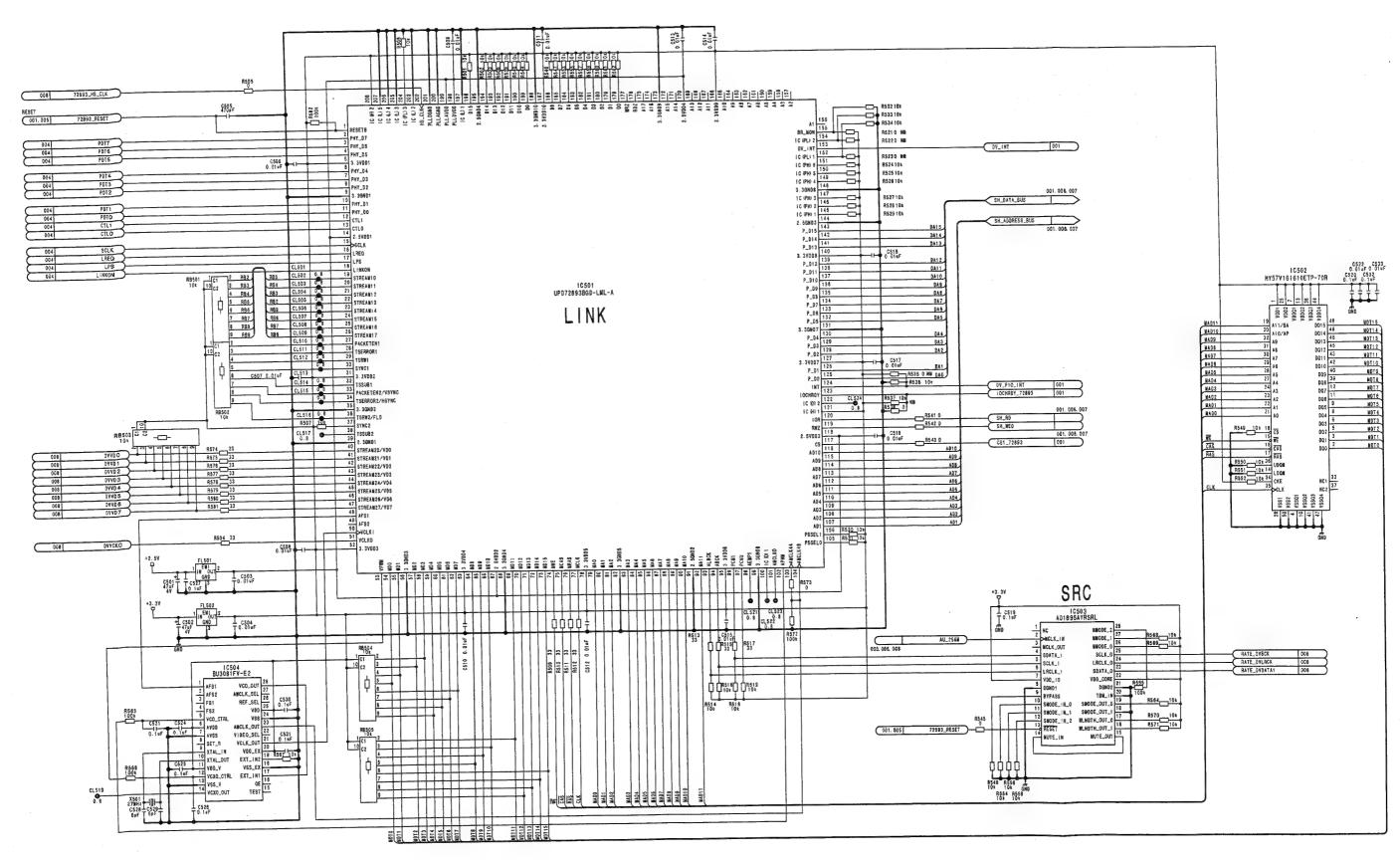


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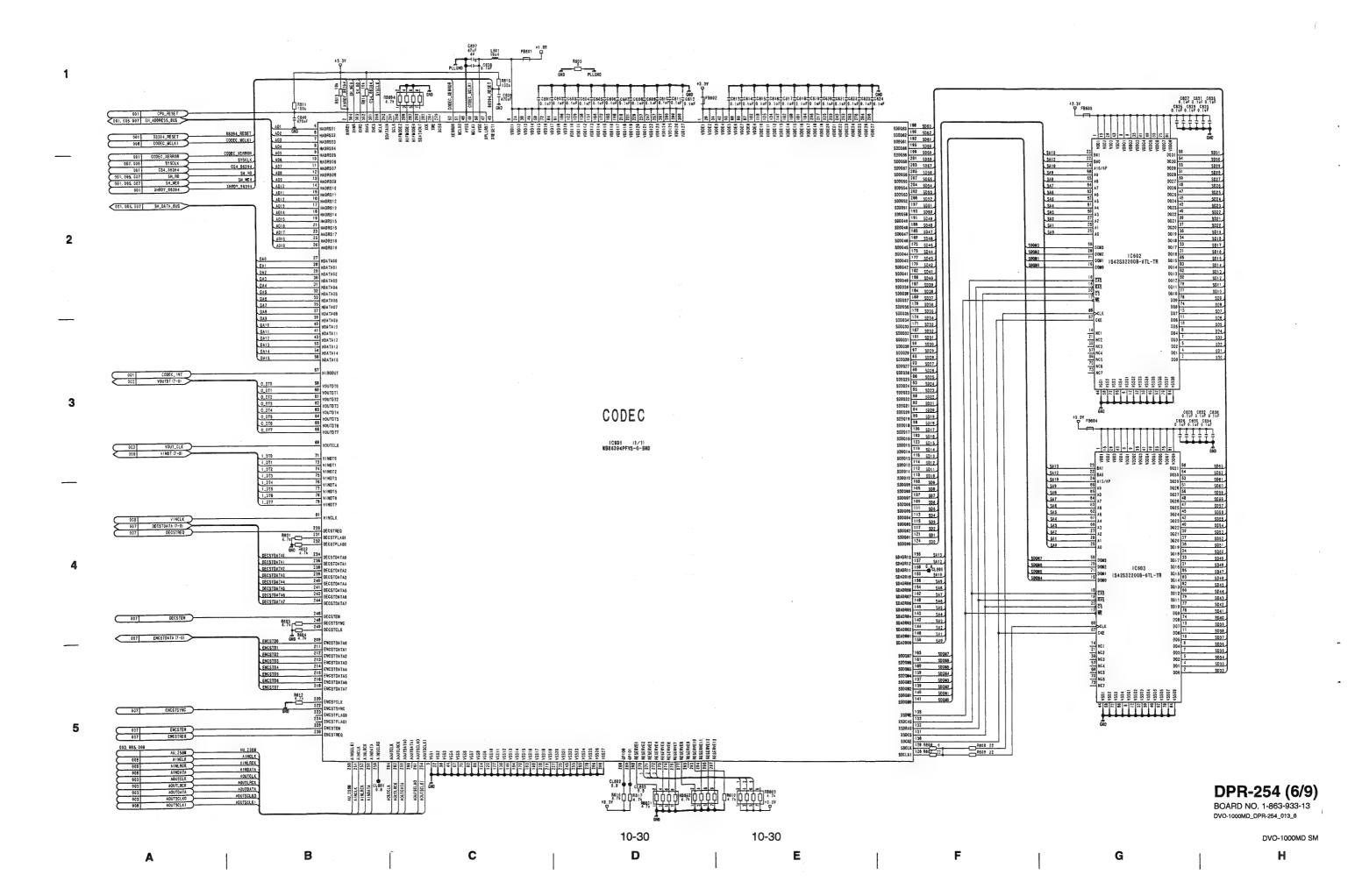


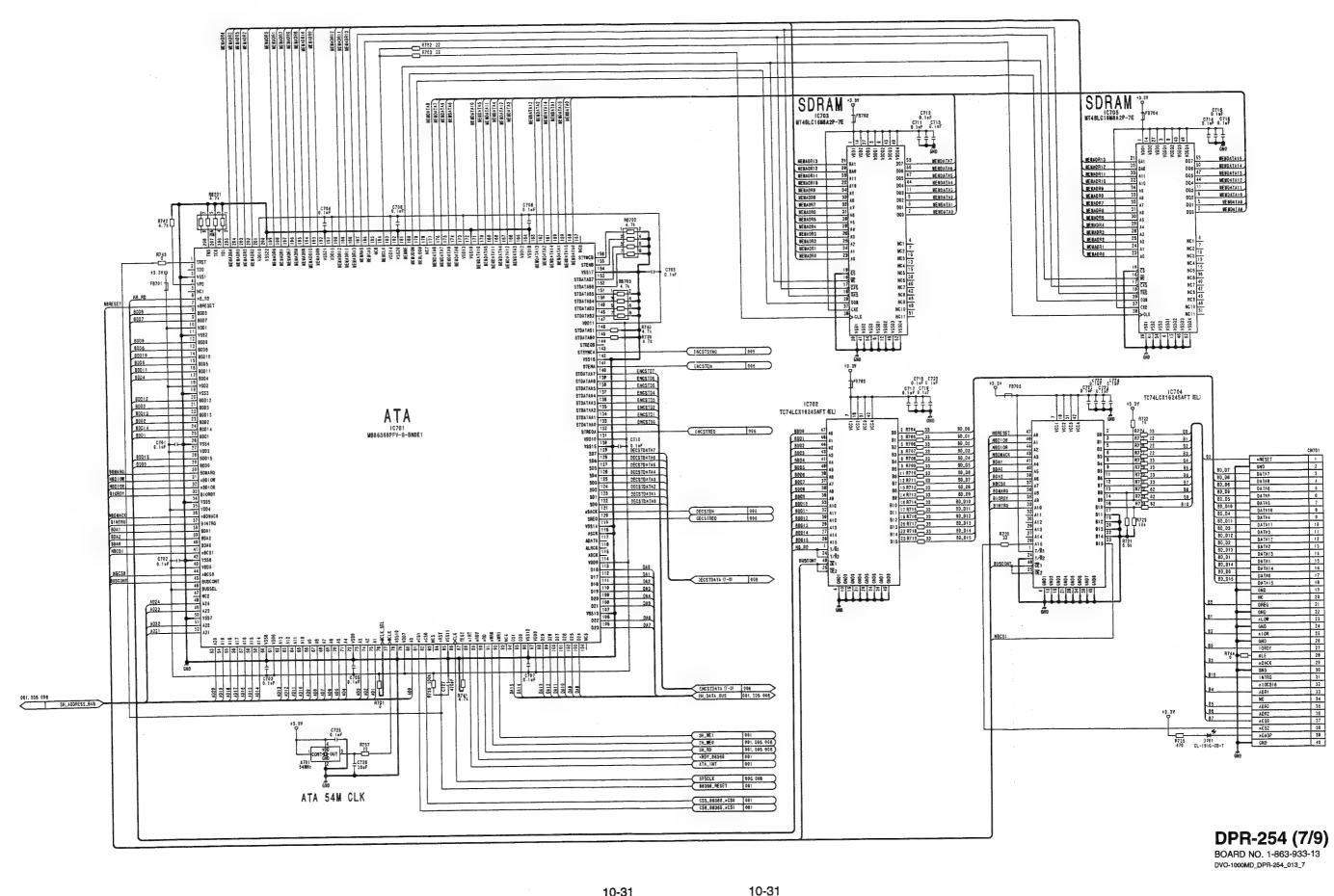
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DVO-1000MD SM

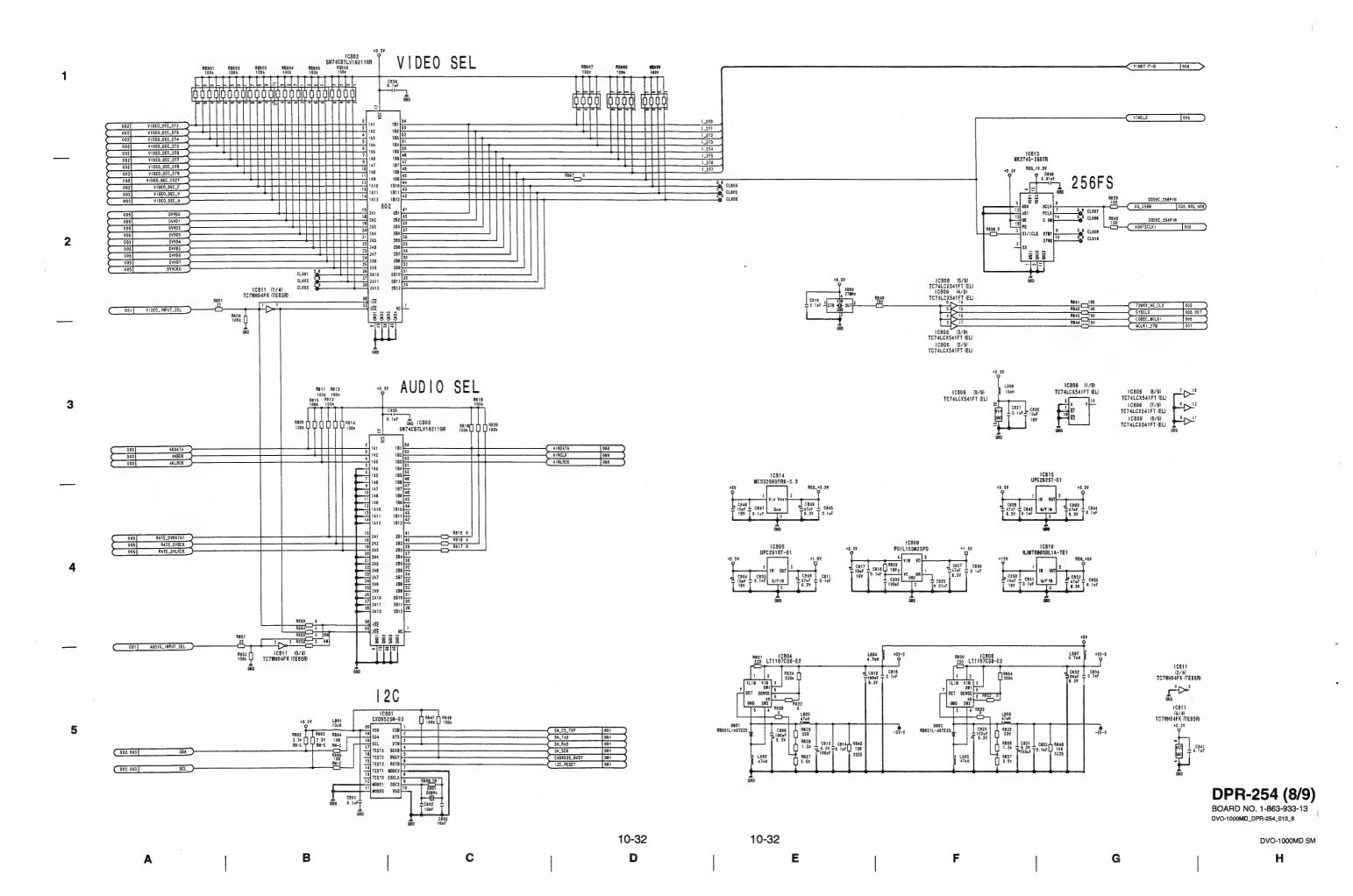
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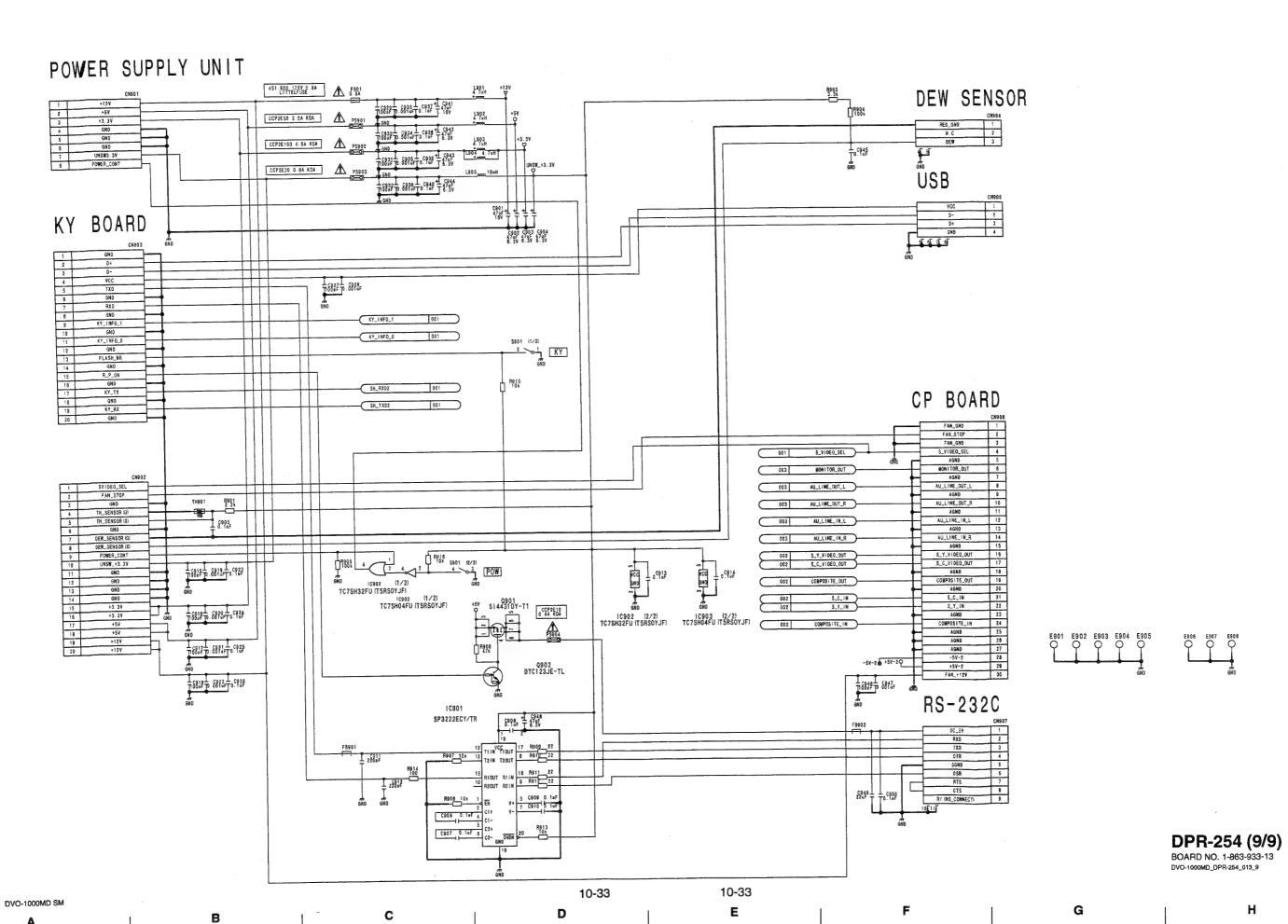
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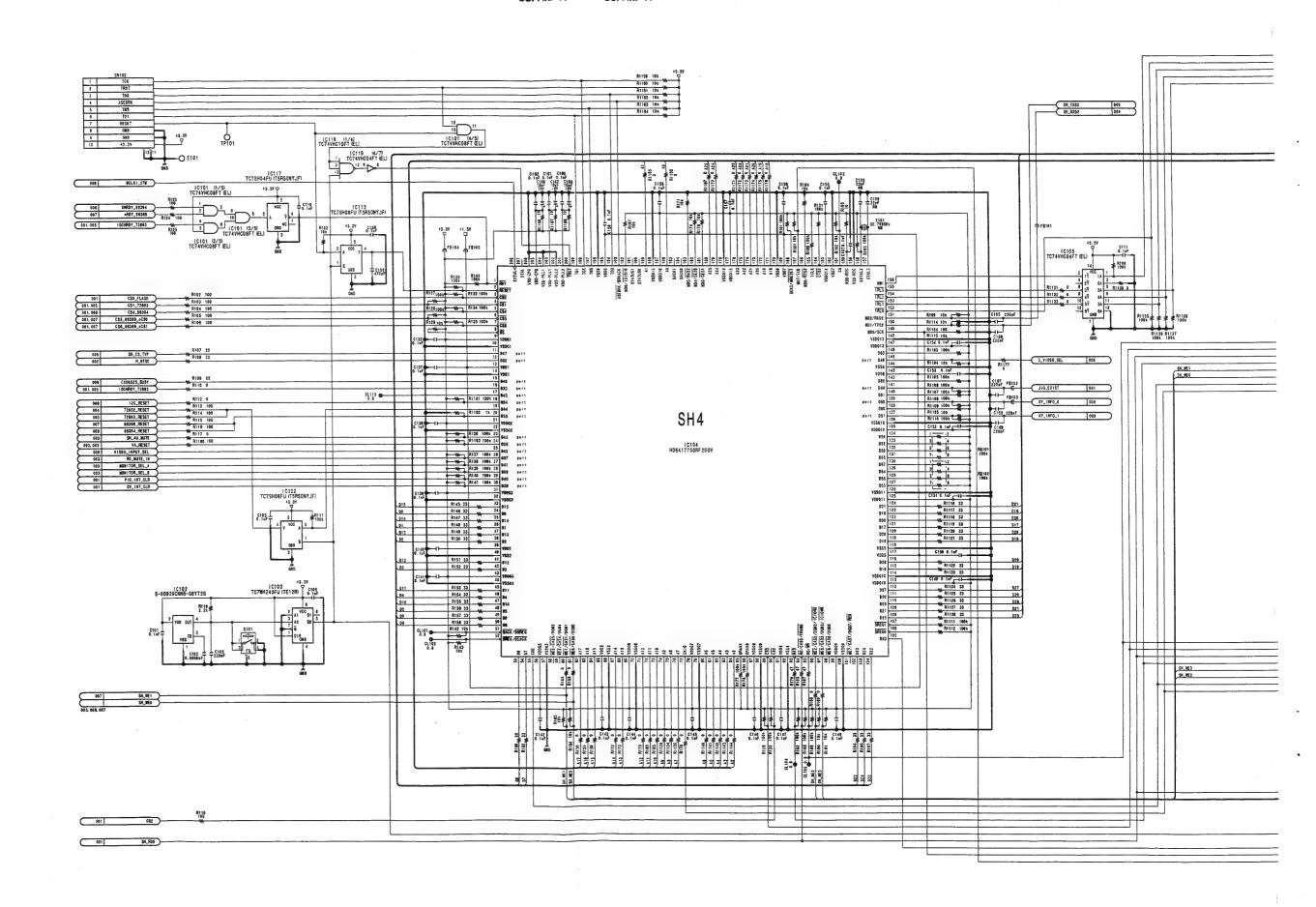
F

G

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10-34

10-34

DVO-1000MD SM

2

3

С

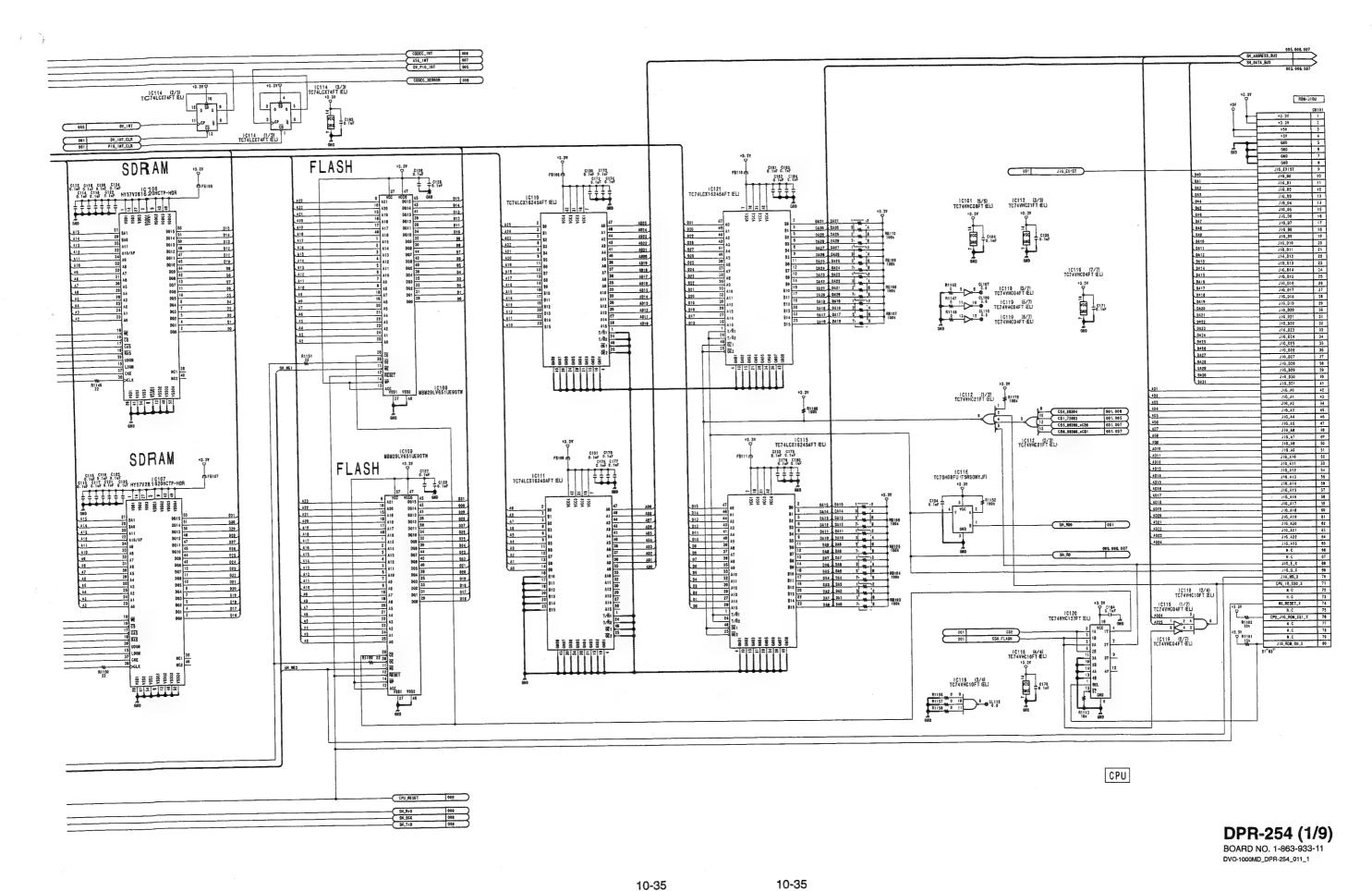
D

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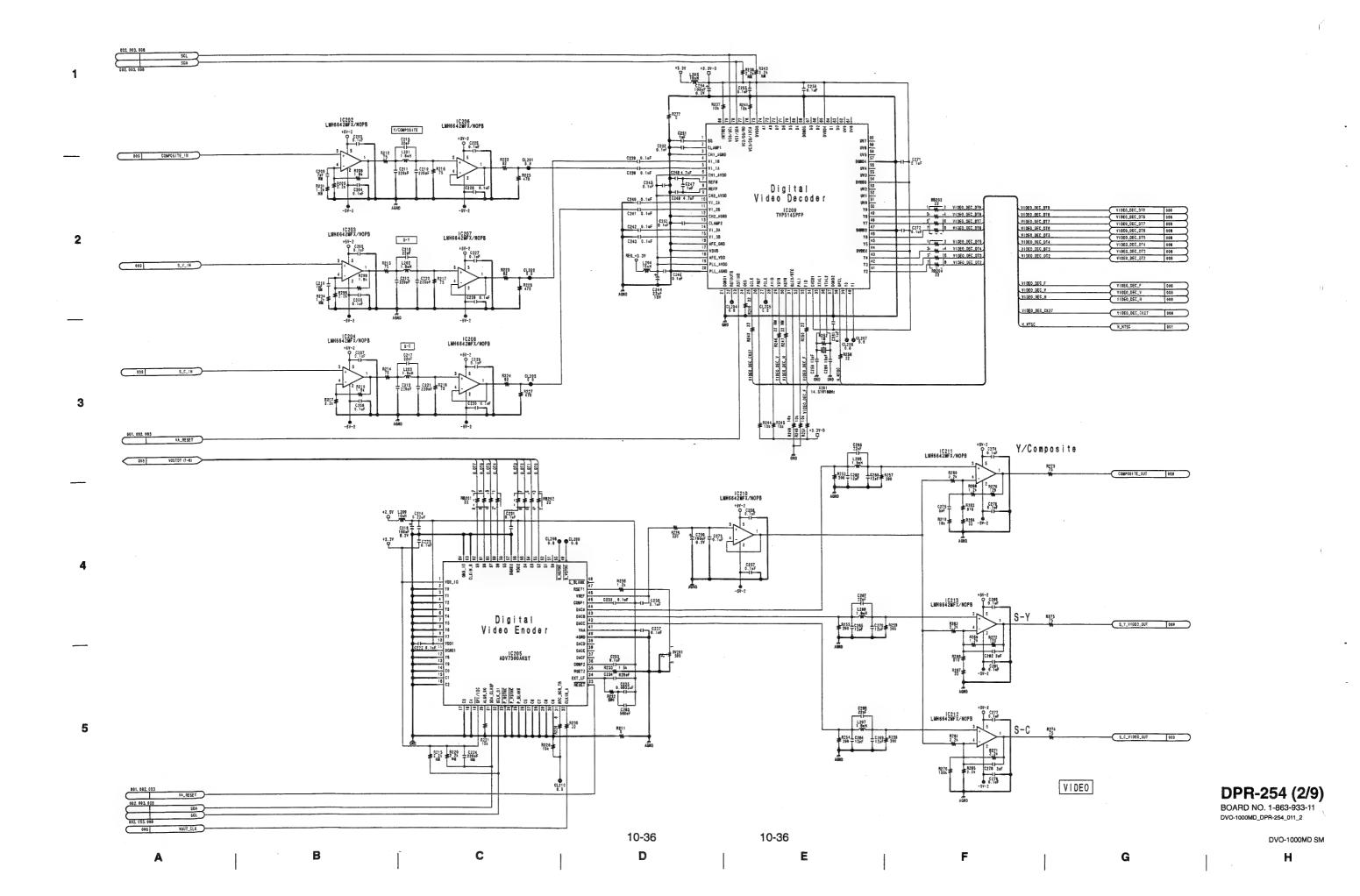
F

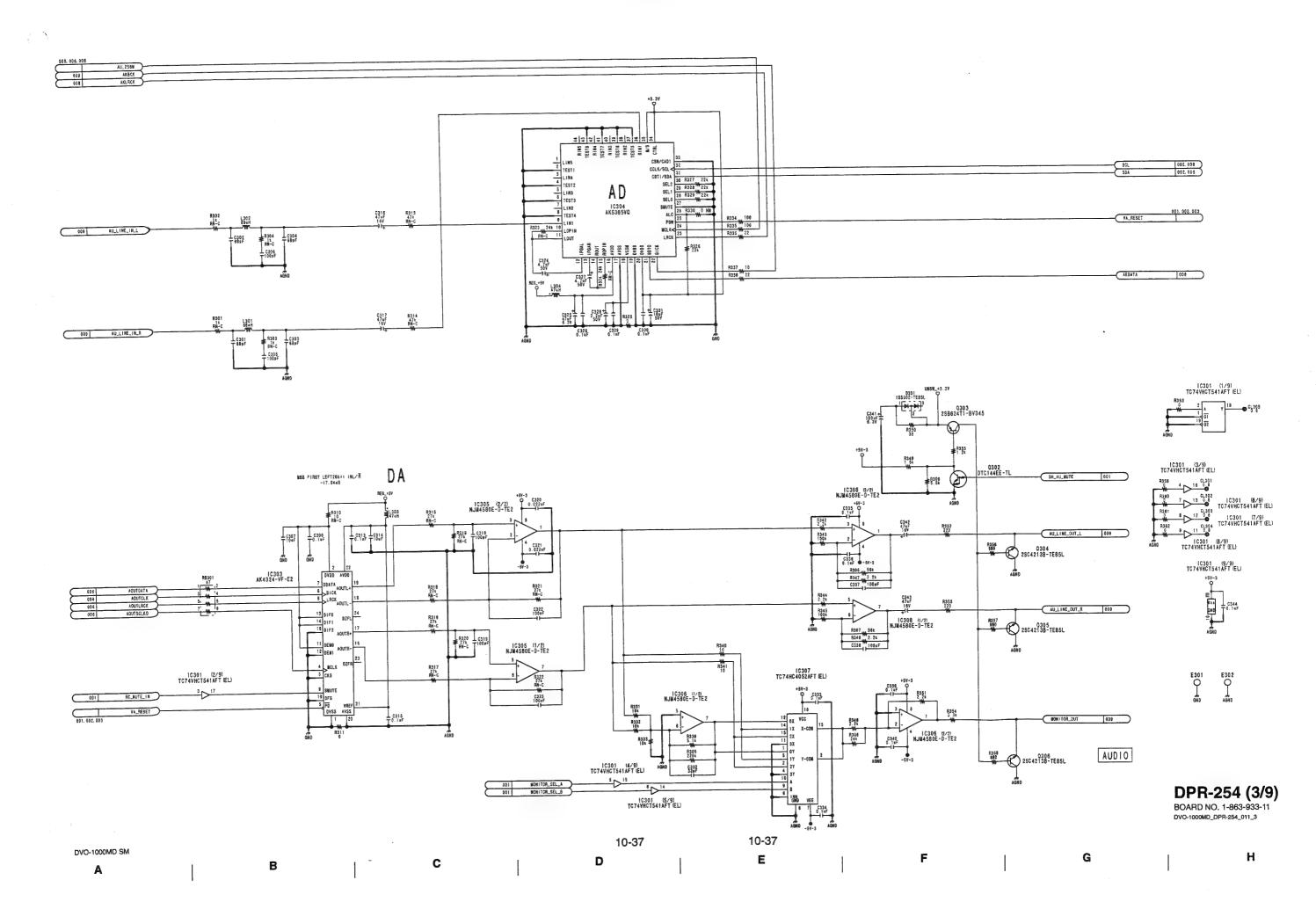
G

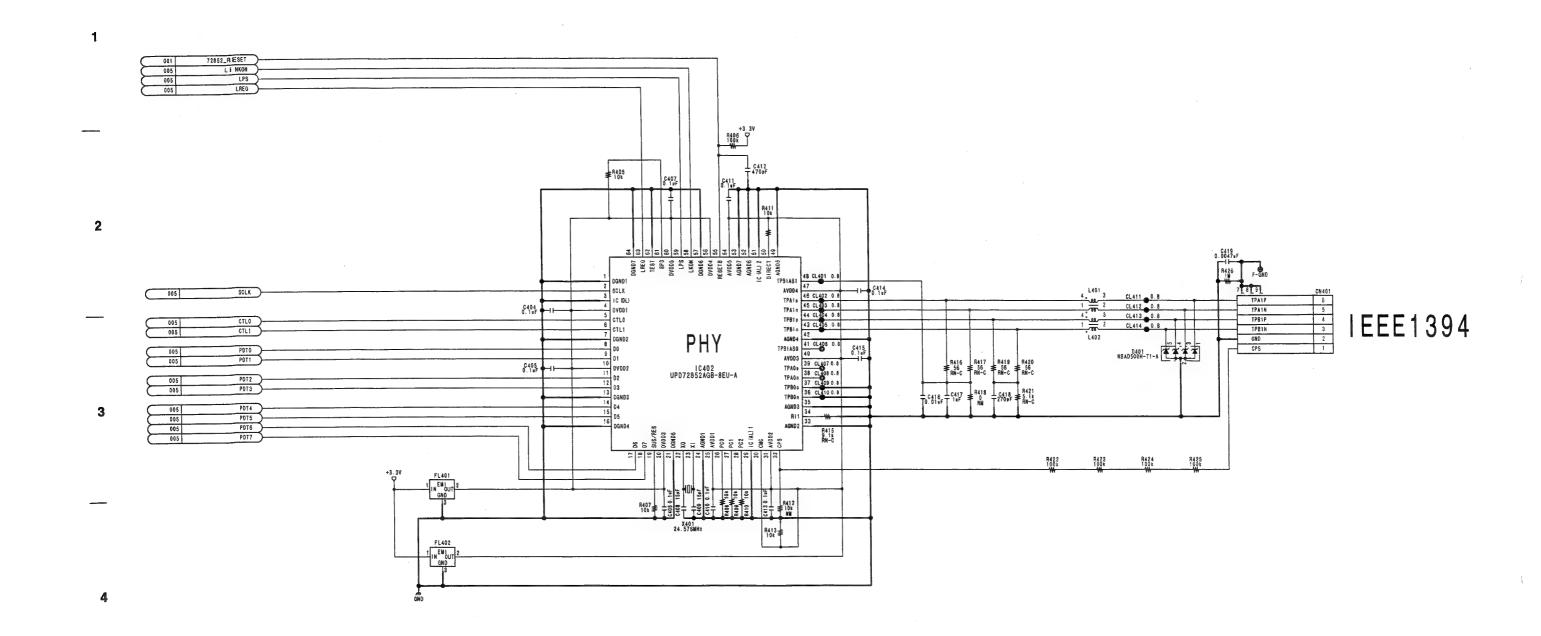
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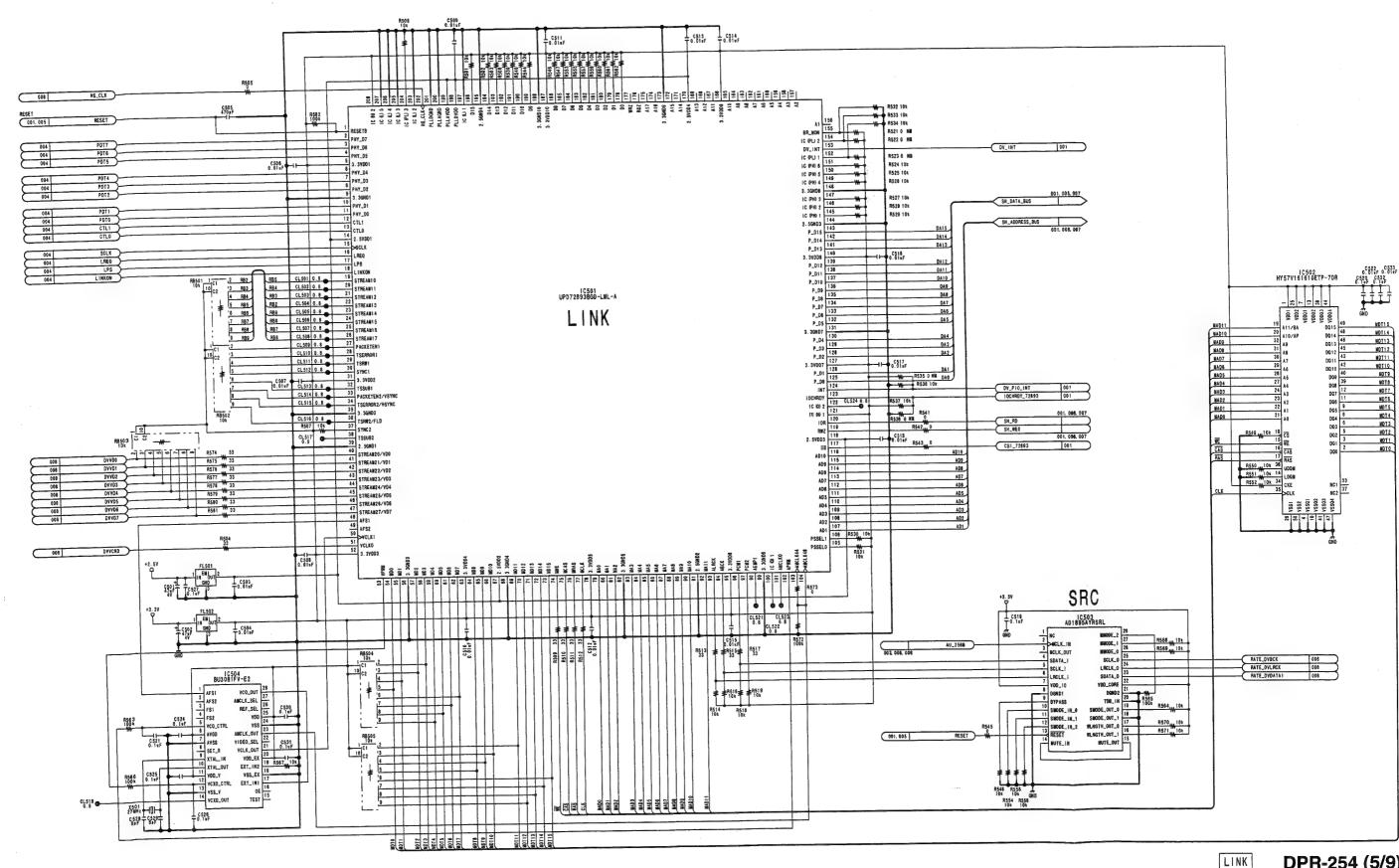


PHY

DPR-254 (4/9) BOARD NO. 1-863-933-11 DVO-1000MD_DPR-254_011_4

10-38 10-38 DVO-1000MD SM

5



DPR-254 (5/9)

BOARD NO. 1-863-933-11 DVO-1000MD_DPR-254_011_5

C

DVO-1000MD SM

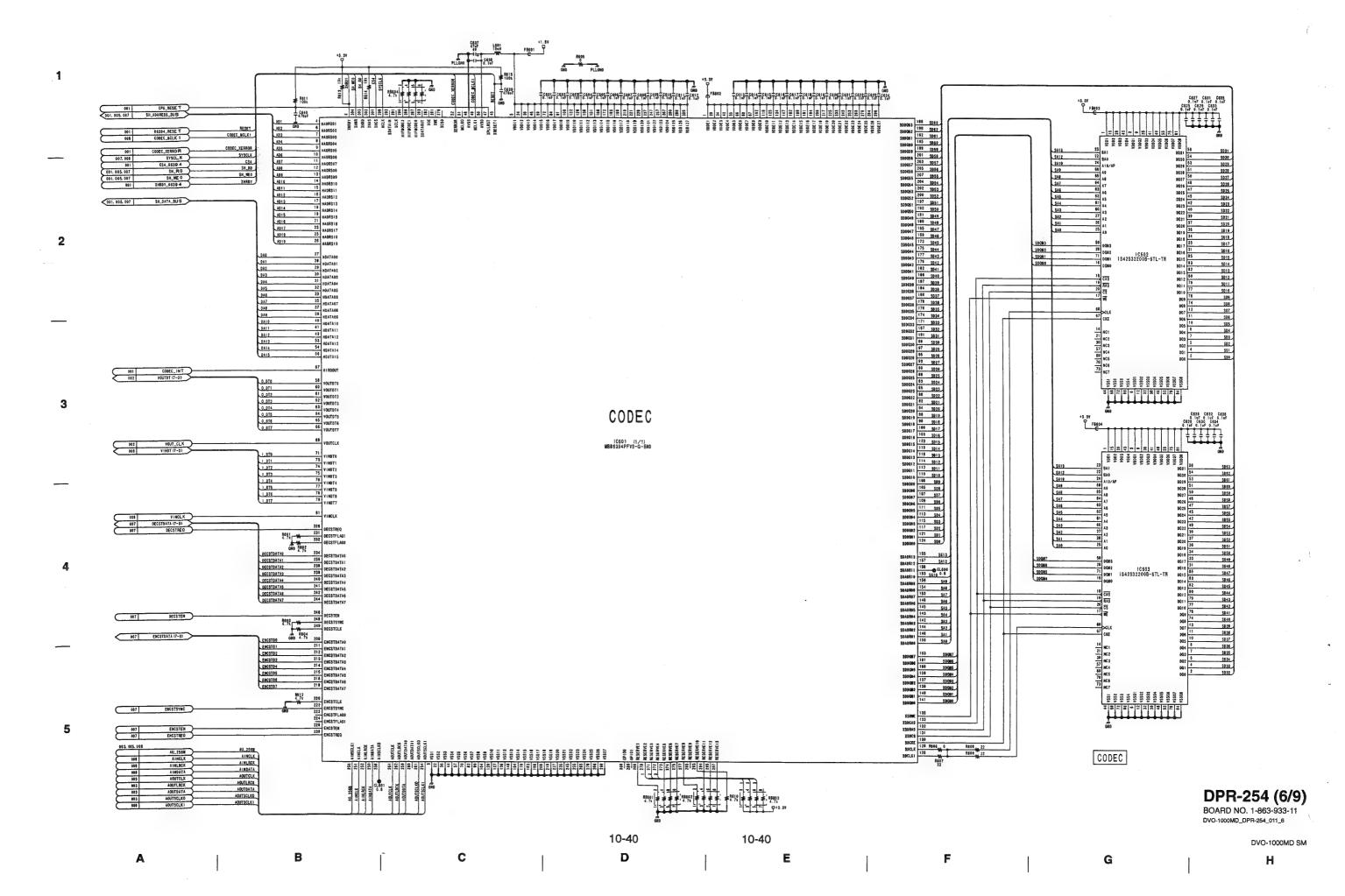
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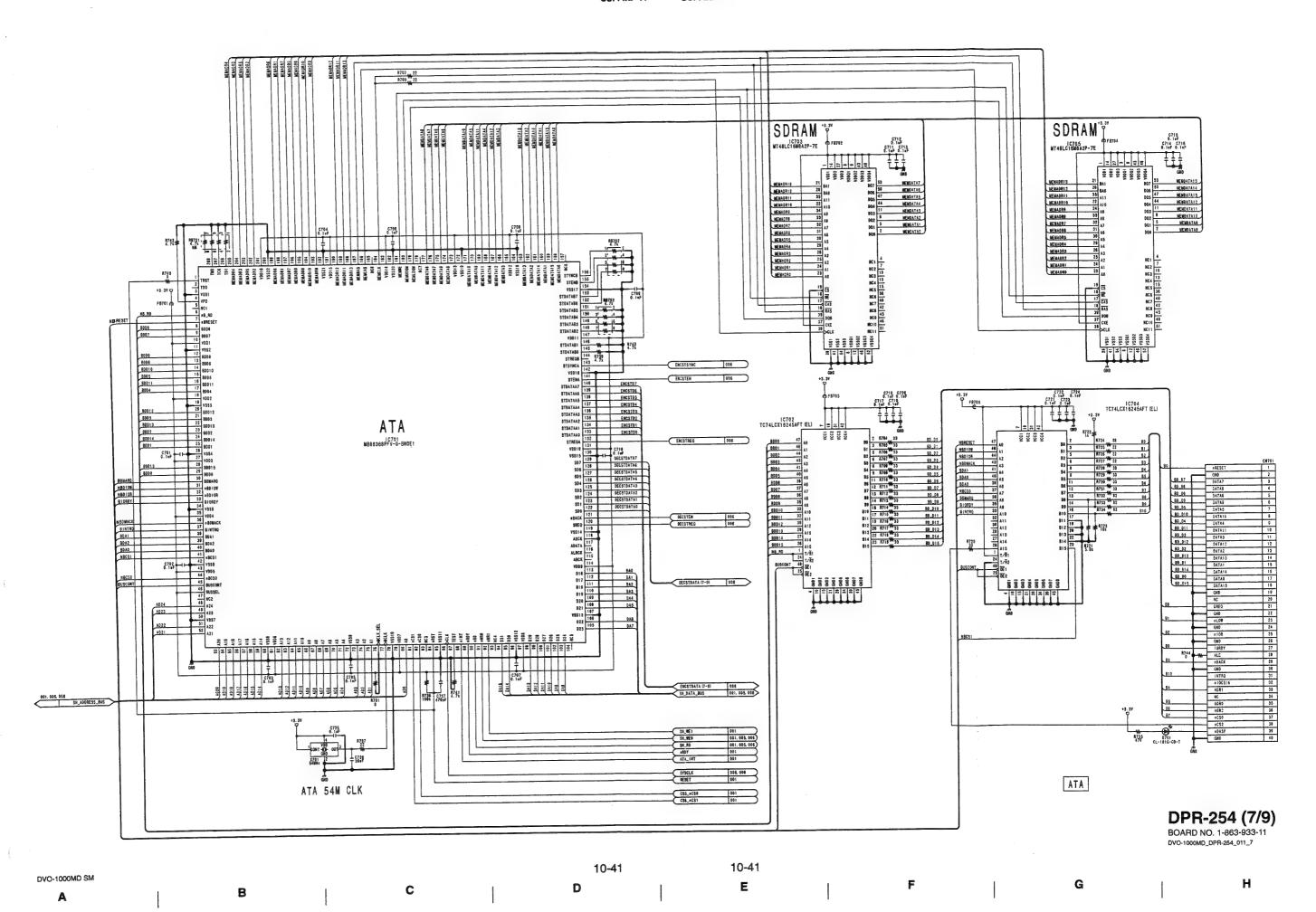
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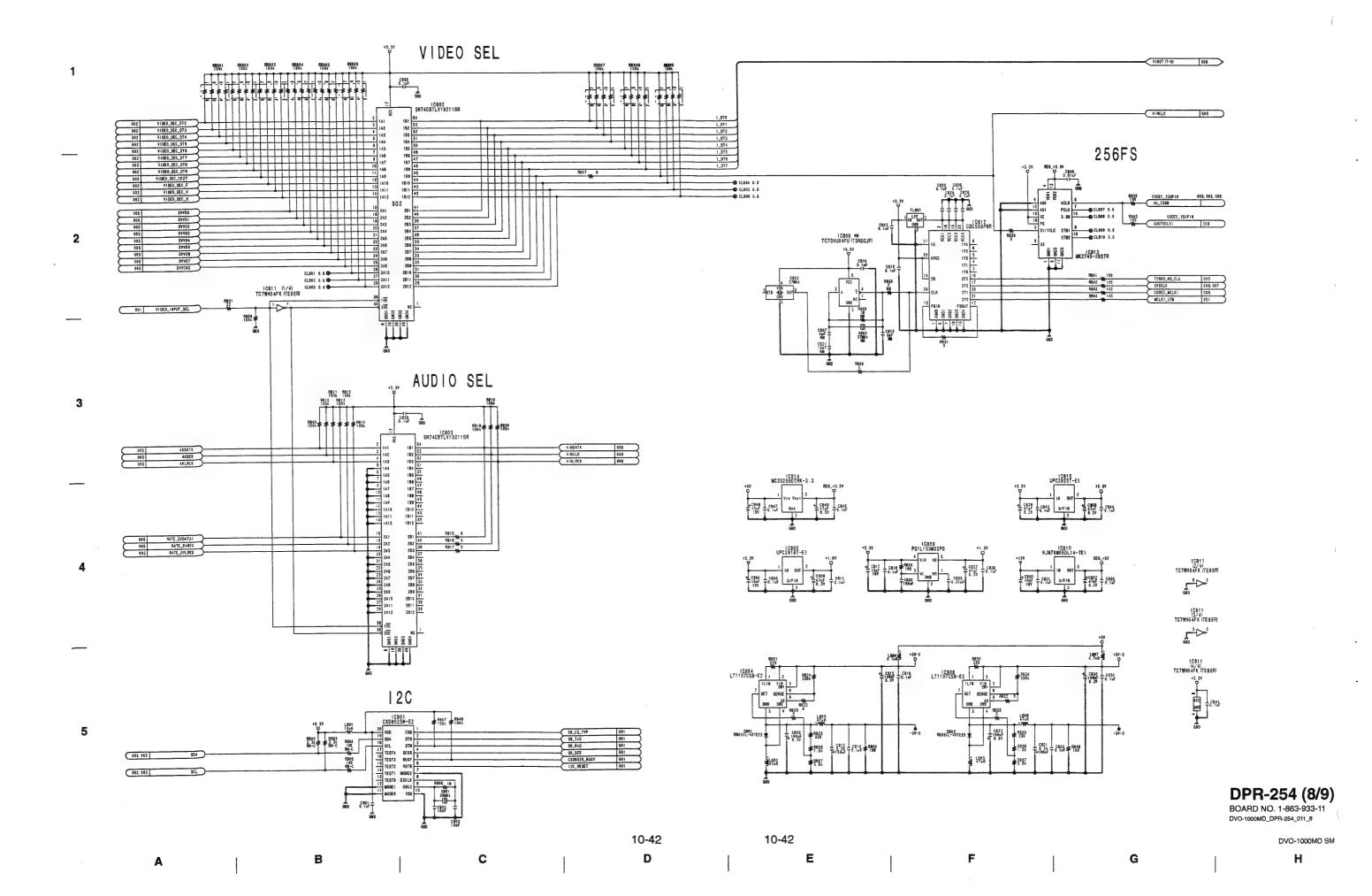
10-39 Ε

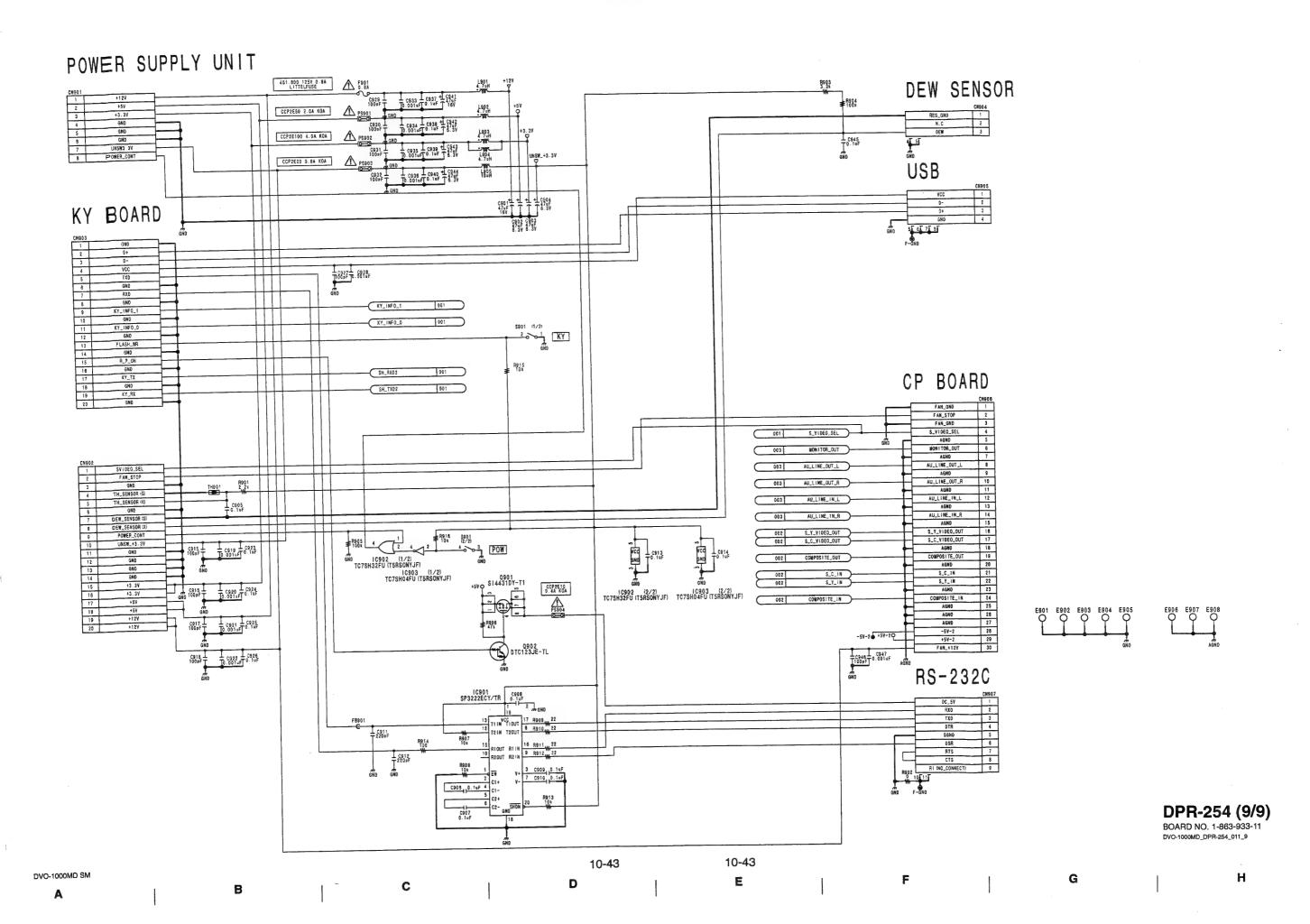
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RD3.6SB-T1
NM
S1

CN1

1 POW
2 GND
3 POWER_TALLY

D2
CL-191G-CD-T
GND

3

2

4

5

A

JK-74BOARD NO. 1-863-935-11, 21
DVC-1000MD_tK-74_011_1

10-44

D

4

10-44

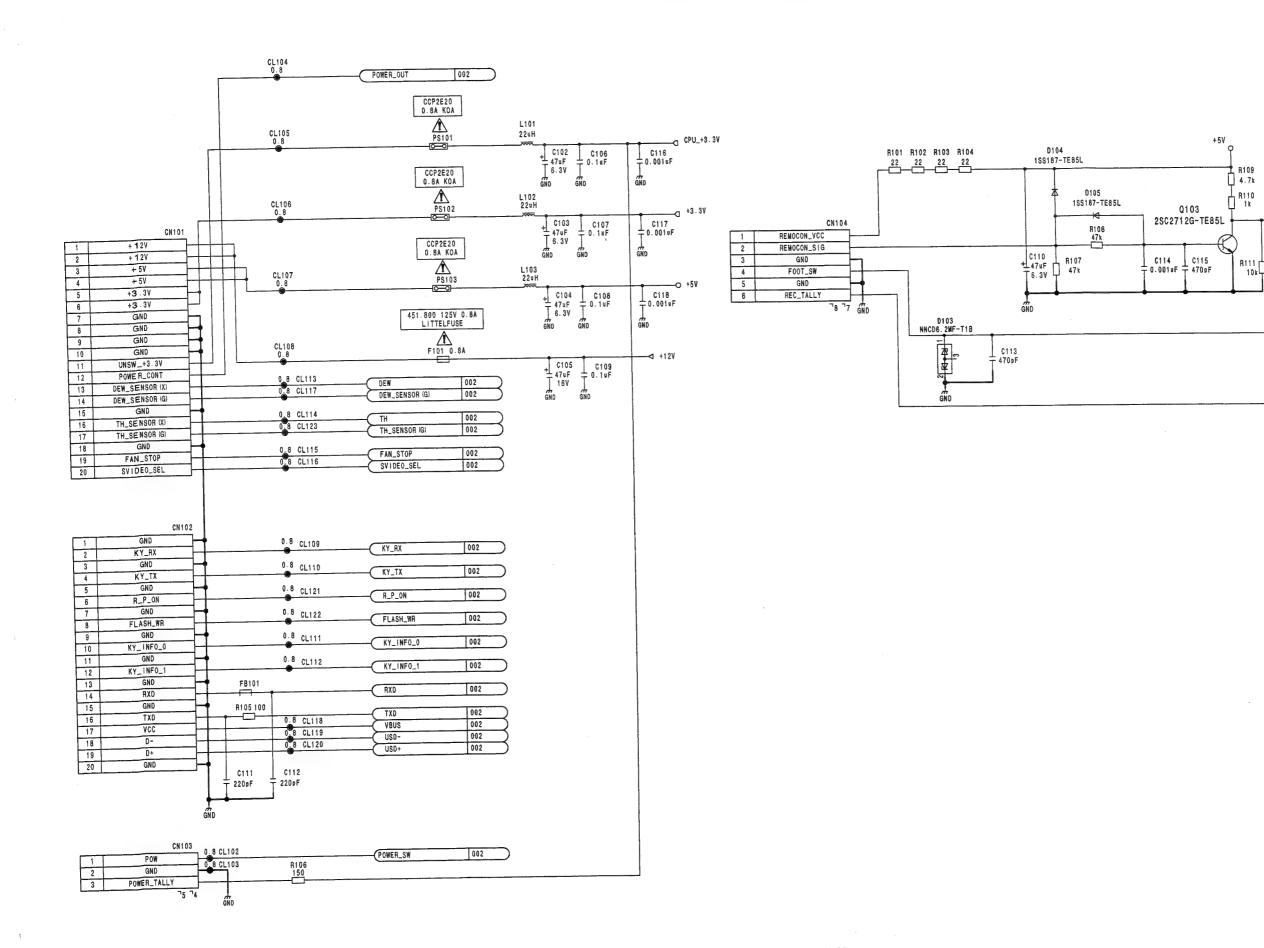
PSW-84 BOARD NO. 1-863-937-11, 12, 21 DVO-1000MD_PSW-84_012_1

DVO-1000MD SM

В С

E

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KY-568 (1/4)

SIRCS

FOOT_SW

REC_TALLY

002

002

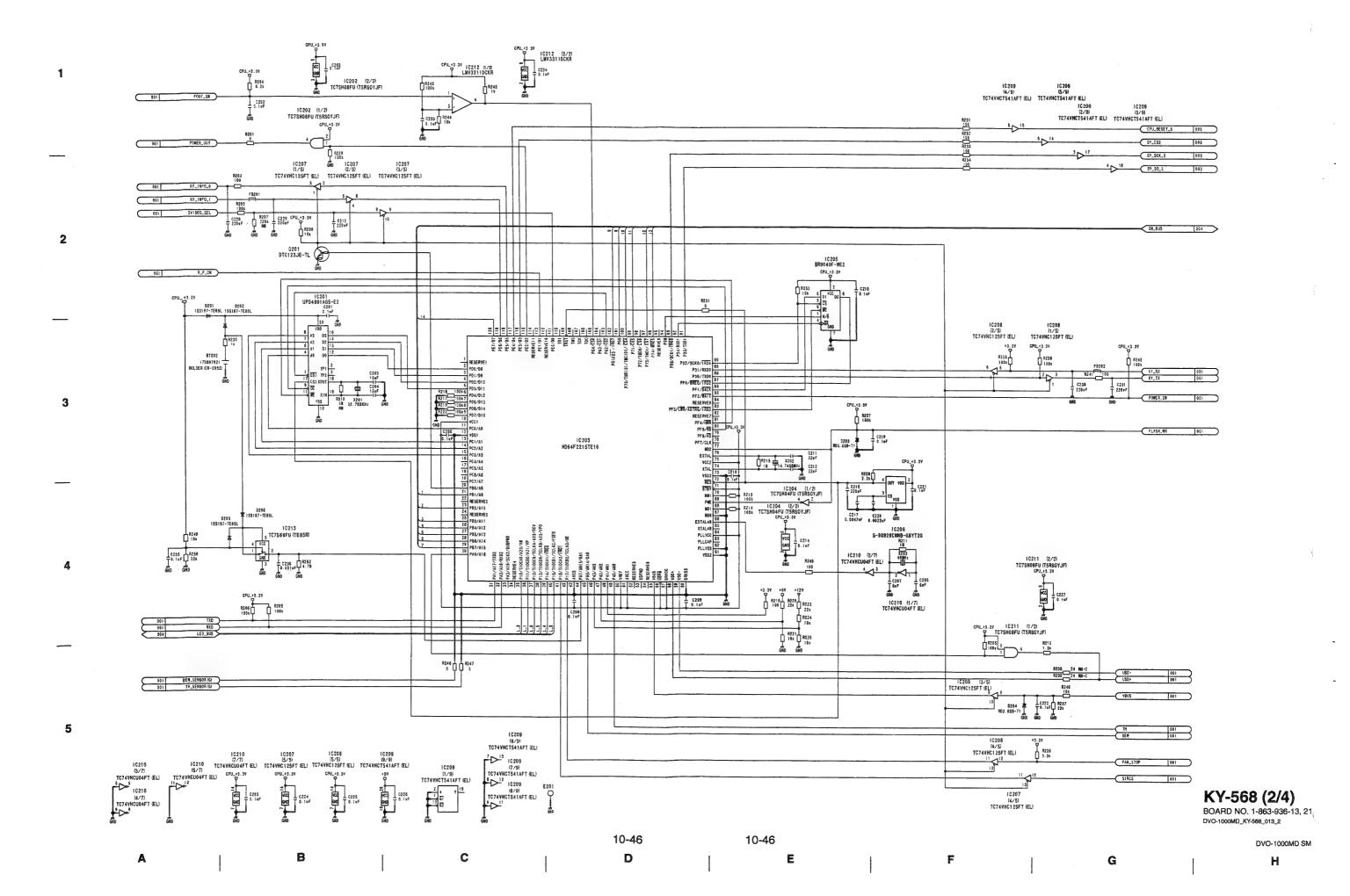
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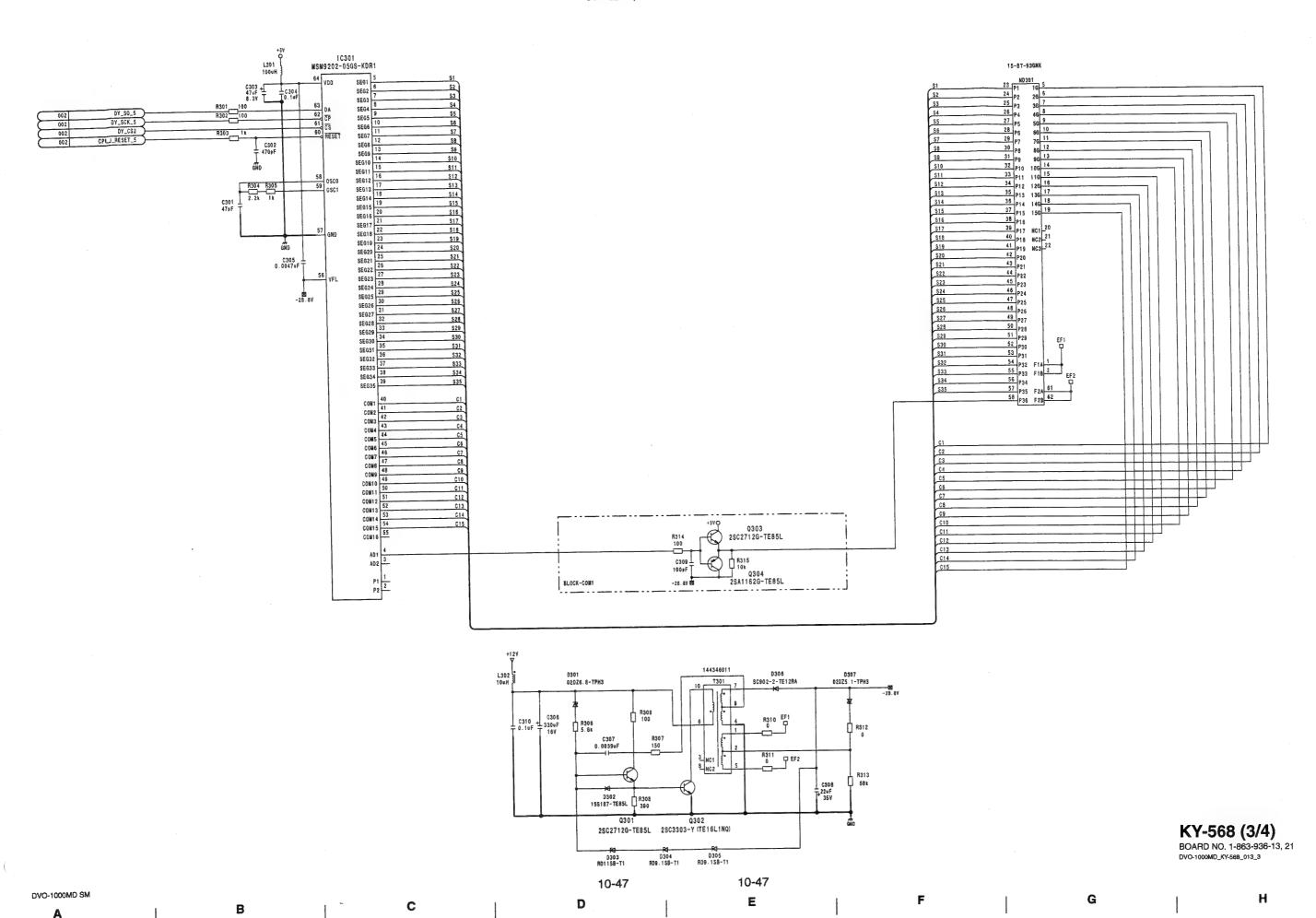
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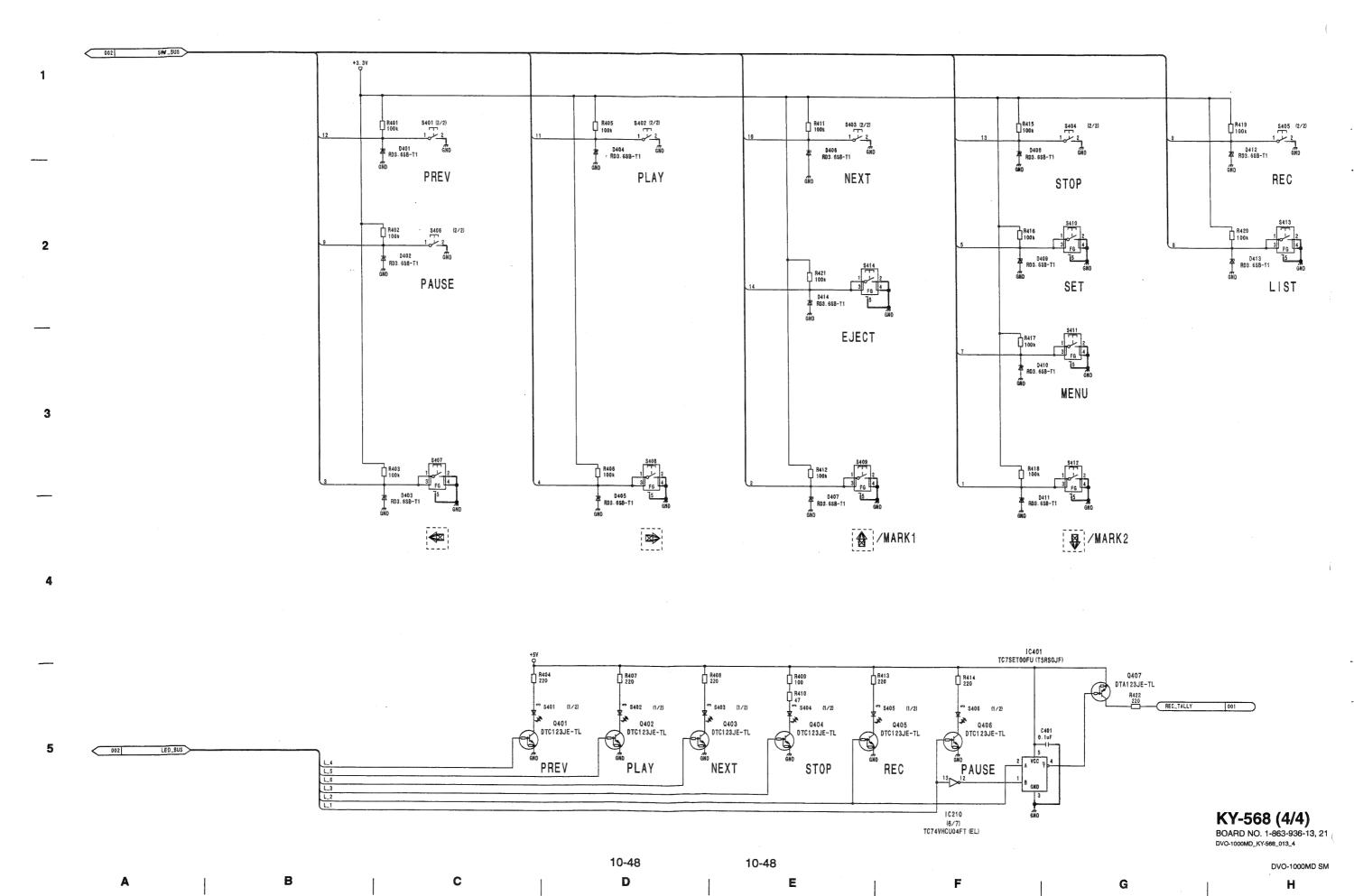
10-45 10-45

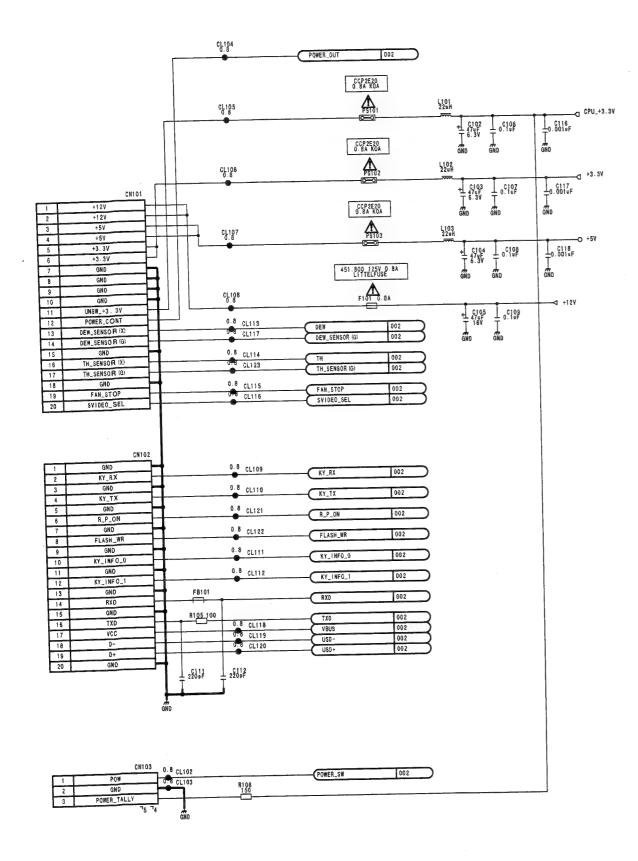
DVO-1000MD SM

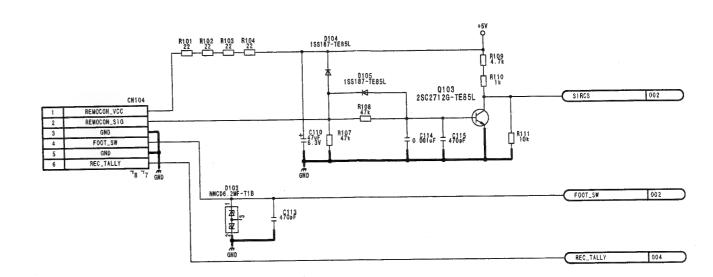
B C D E F G H







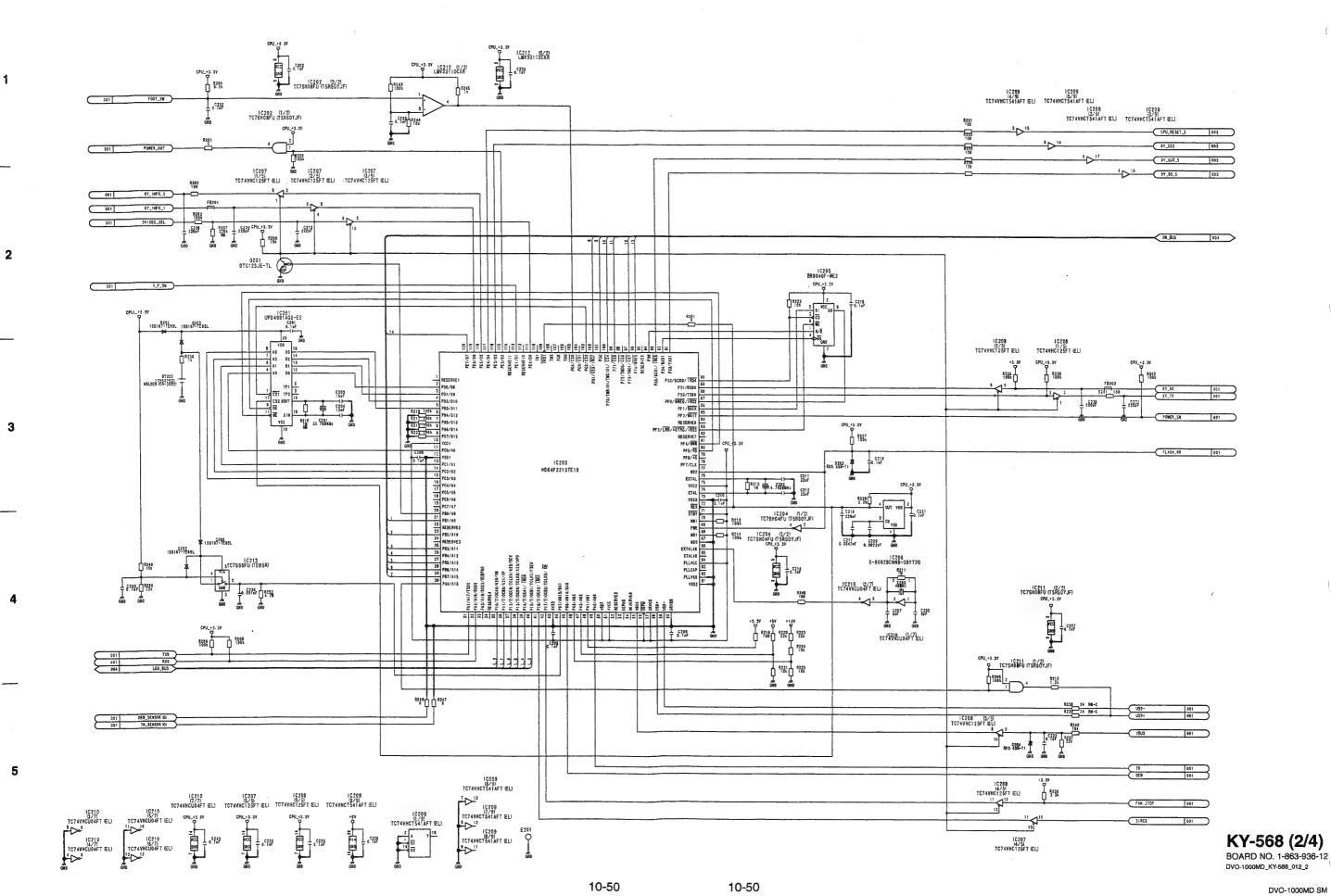


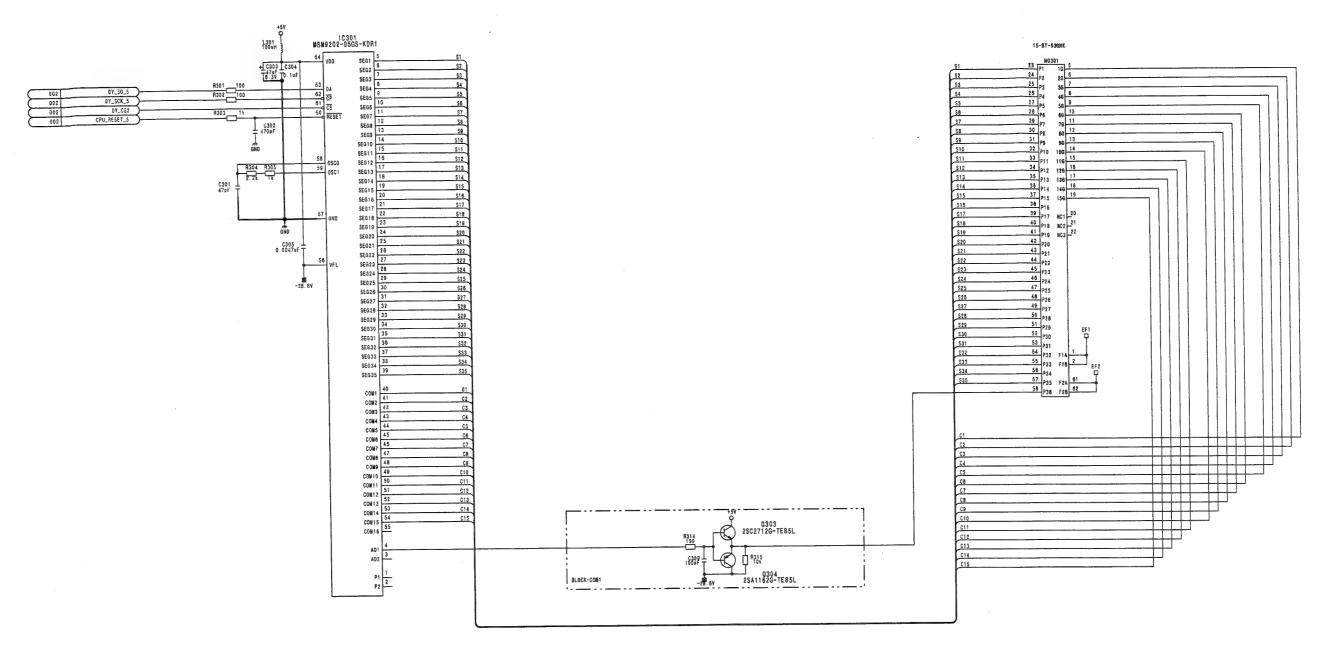


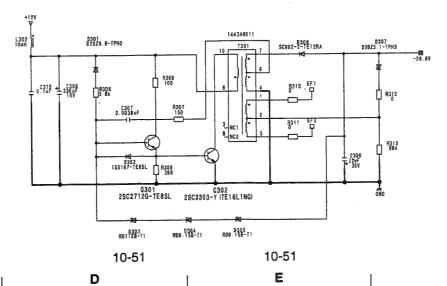
KY-568 (1/4)BOARD NO. 1-863-936-12
DVO-1000MD_KY-568_012_1

DVO-1000MD SM

A | B | C | D | E | F | G | H







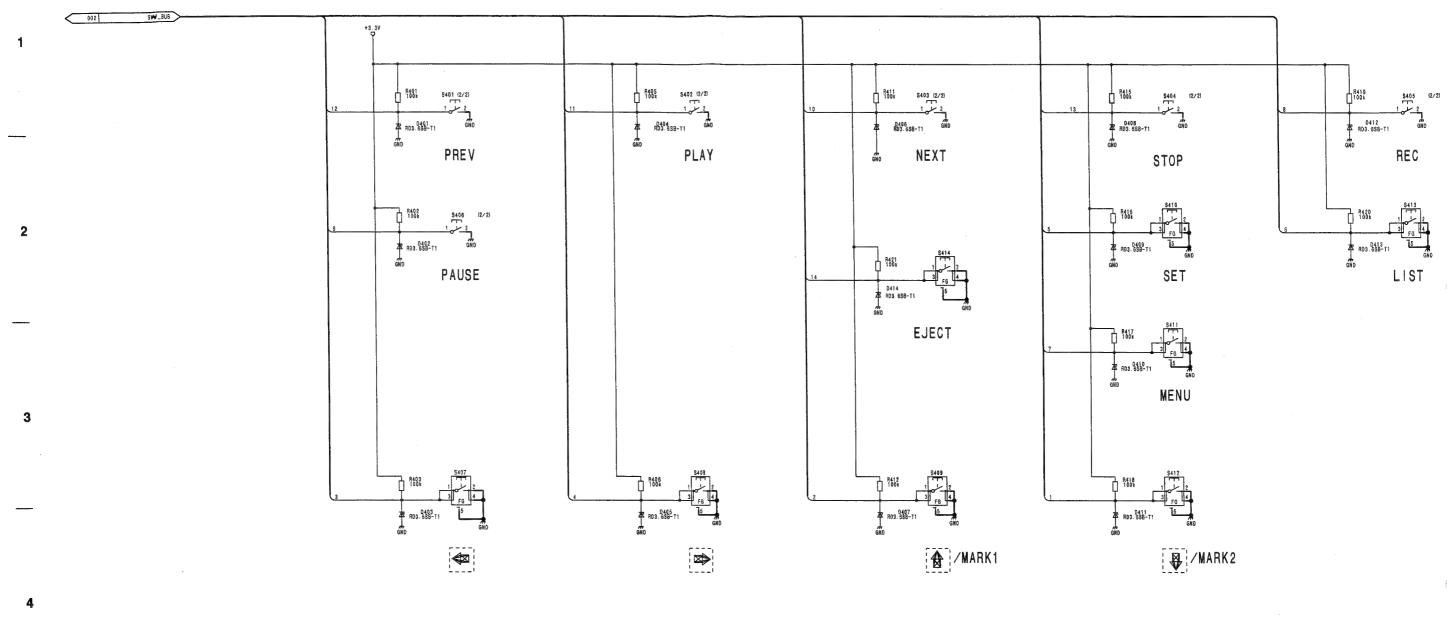
KY-568 (3/4) BOARD NO. 1-863-936-12

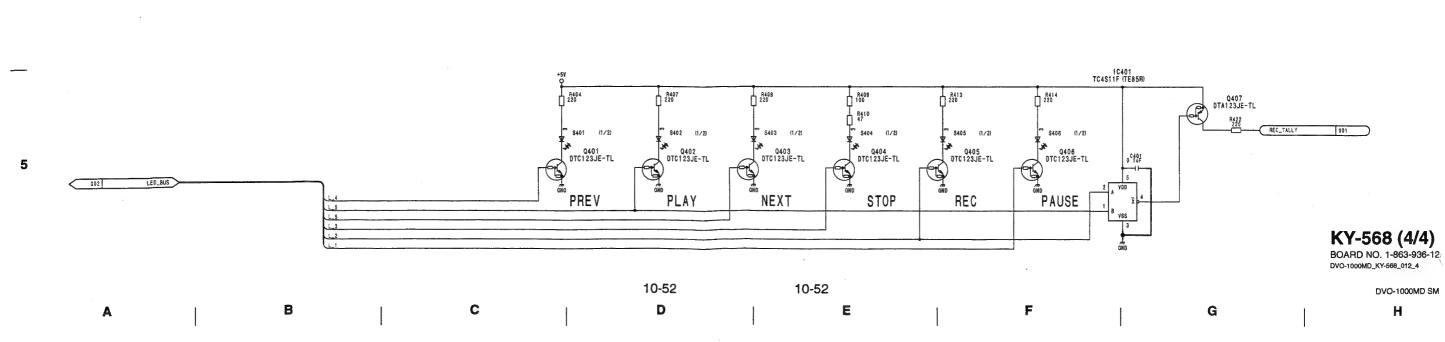
DVO-1000MD SM

В

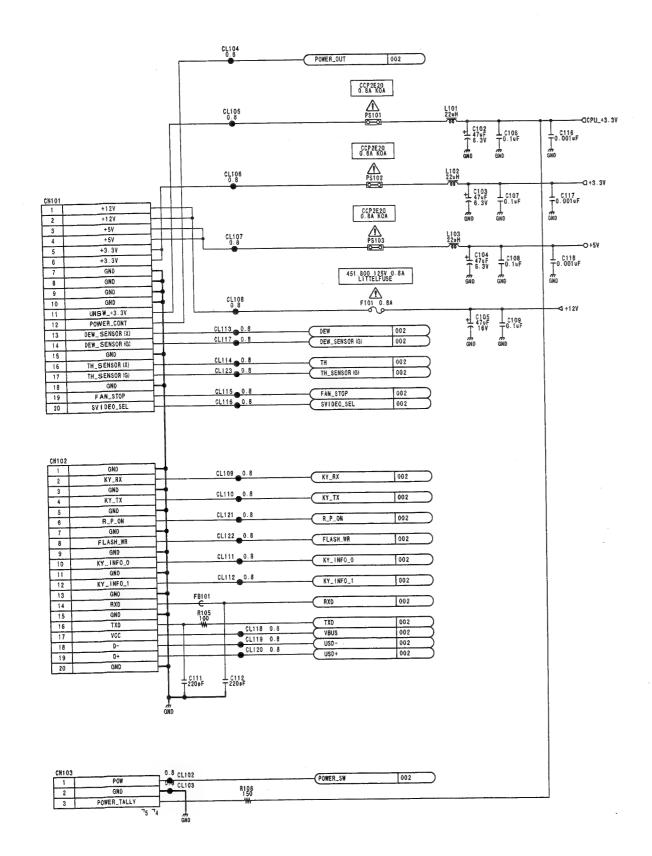
G

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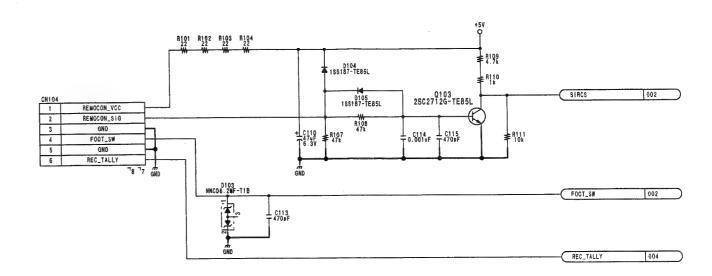




KY-568 (1/4) SUFFIX: -11



В



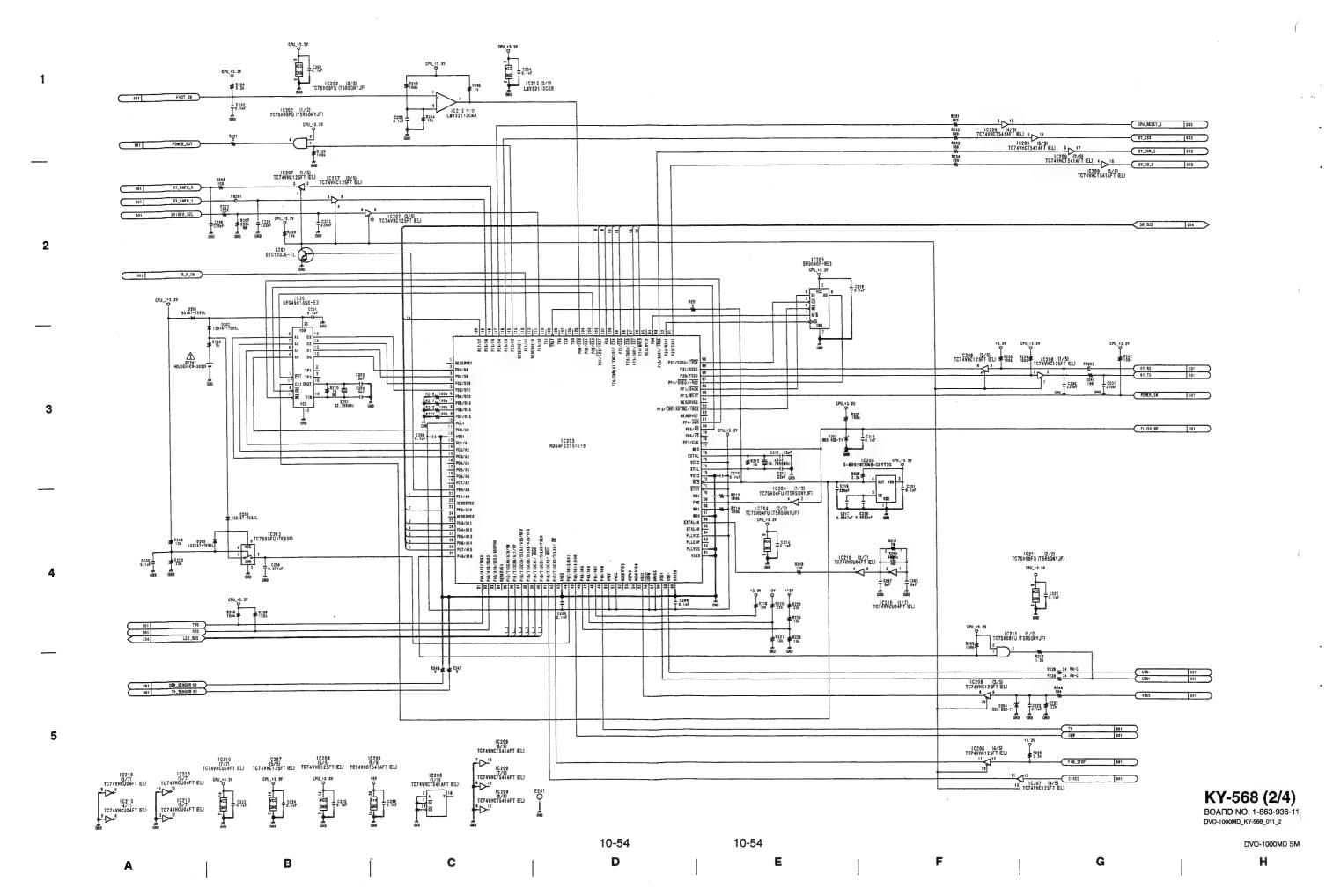
KY-568 (1/4) BOARD NO. 1-863-936-11

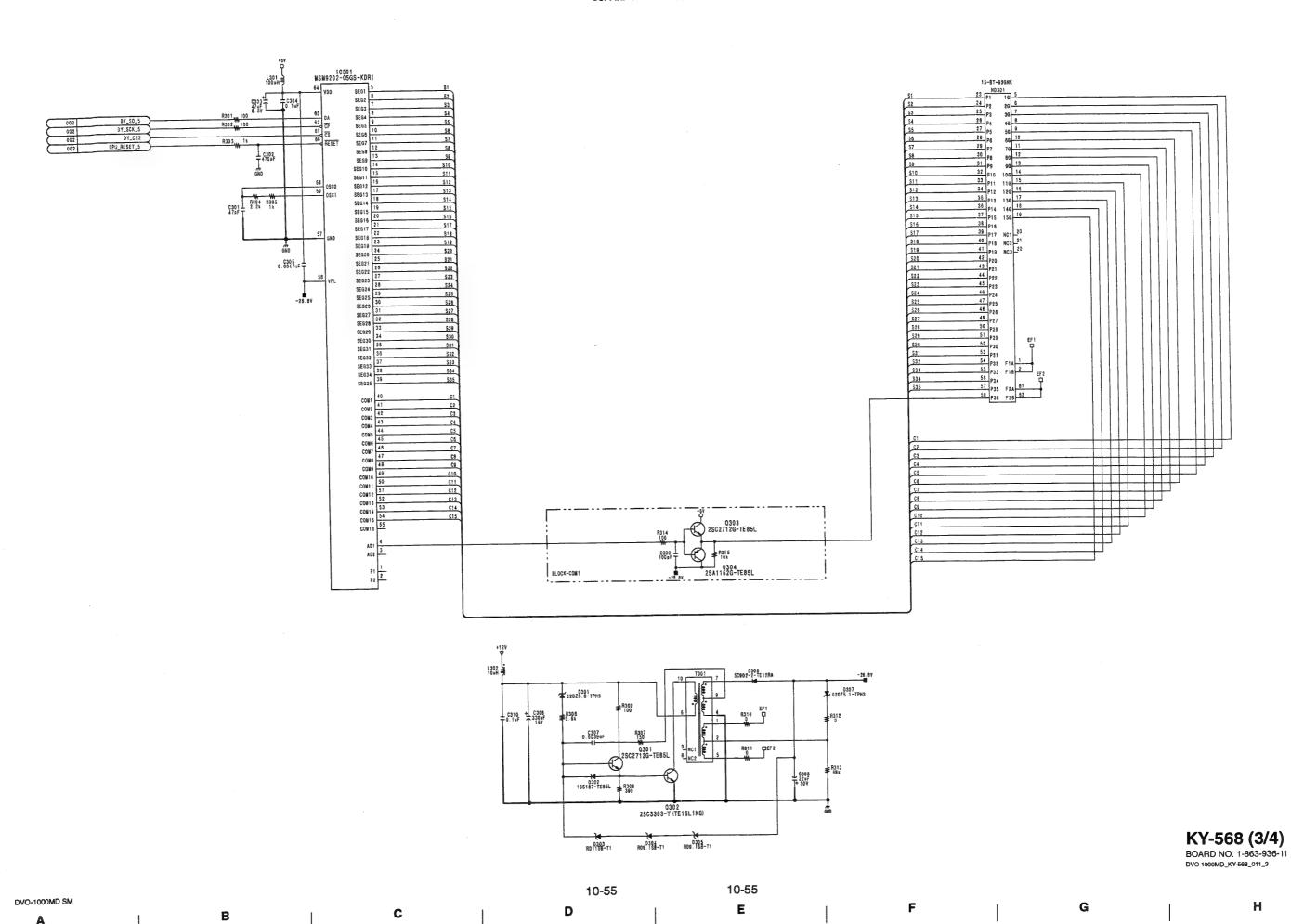
BOARD NO. 1-863-936-11 DVO-1000MD_KY-568_011_1

G

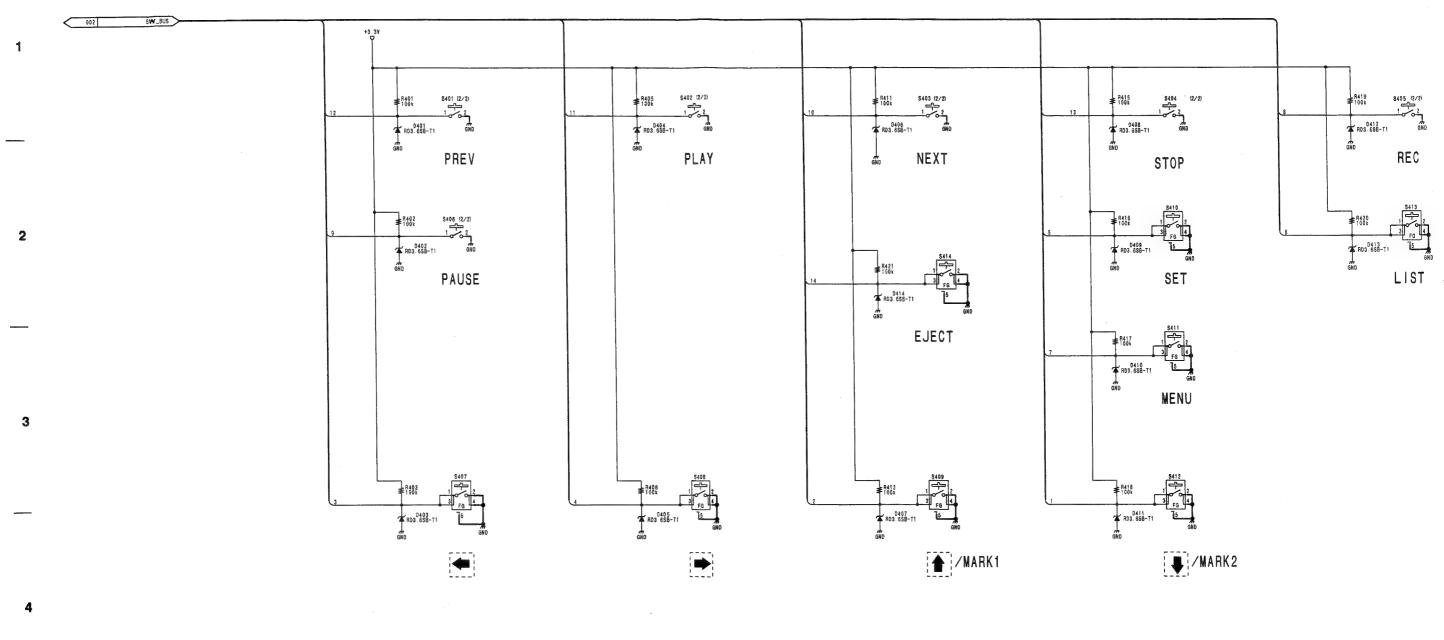
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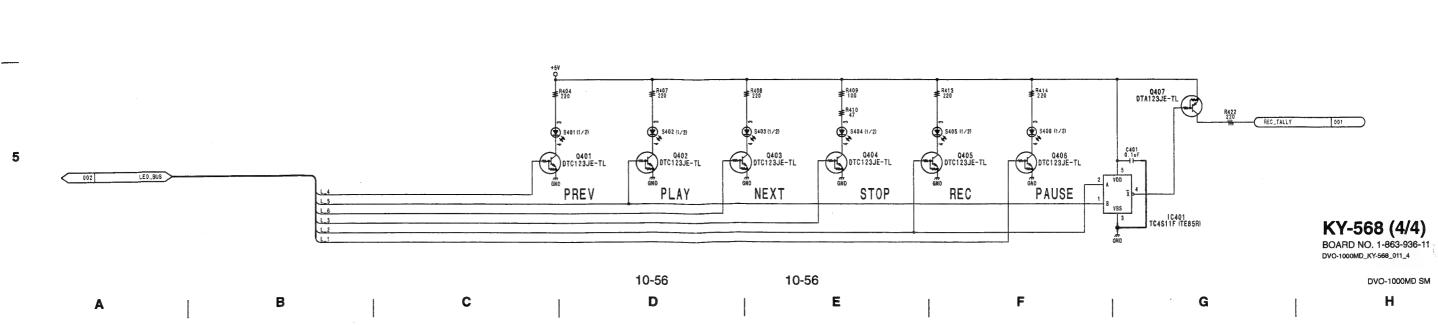
10-53 10-53 **D E**



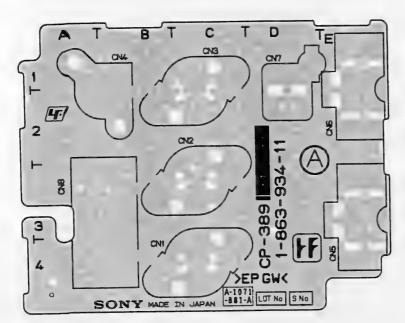


Α

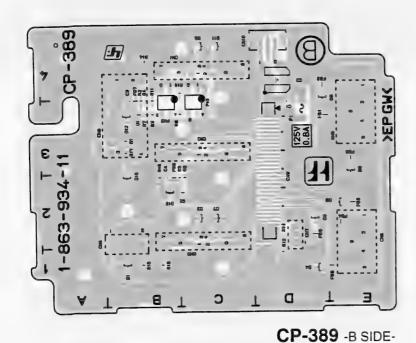




Section 11 **Board Layouts**



CP-389 -A SIDE-SUFFIX: -11, 21



CP-389 (1-863-934-11, 21) *:B SIDE *D3 *D4 *B3 *B2 C1 C2 C3 C4 CN1 CN2 CN3 CN4 CN5 CN6 CN7 CN8 CN9 C4 C3 C2 B2 E3 E2 D2 B3 *D3 *D4 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 *B1
*C2
*E3
*D1
*D2
*C4
*C2
*D3
*E2
*B2
*C4
*B3
*B2 F1 *D3





JK-74 -A SIDE-SUFFIX: -11, 21

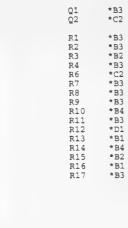
JK-74 -B SIDE-SUFFIX: -11, 21







PSW-84 -B SIDE-SUFFIX: -12, 21



FB1 FB2 FB3 FB4 FB5 FB6 FB7 FB8 FB9

PH1 PH2

*D3 *D4 *E3 *E2 *E2 *E1 *B3 *B2 *D2





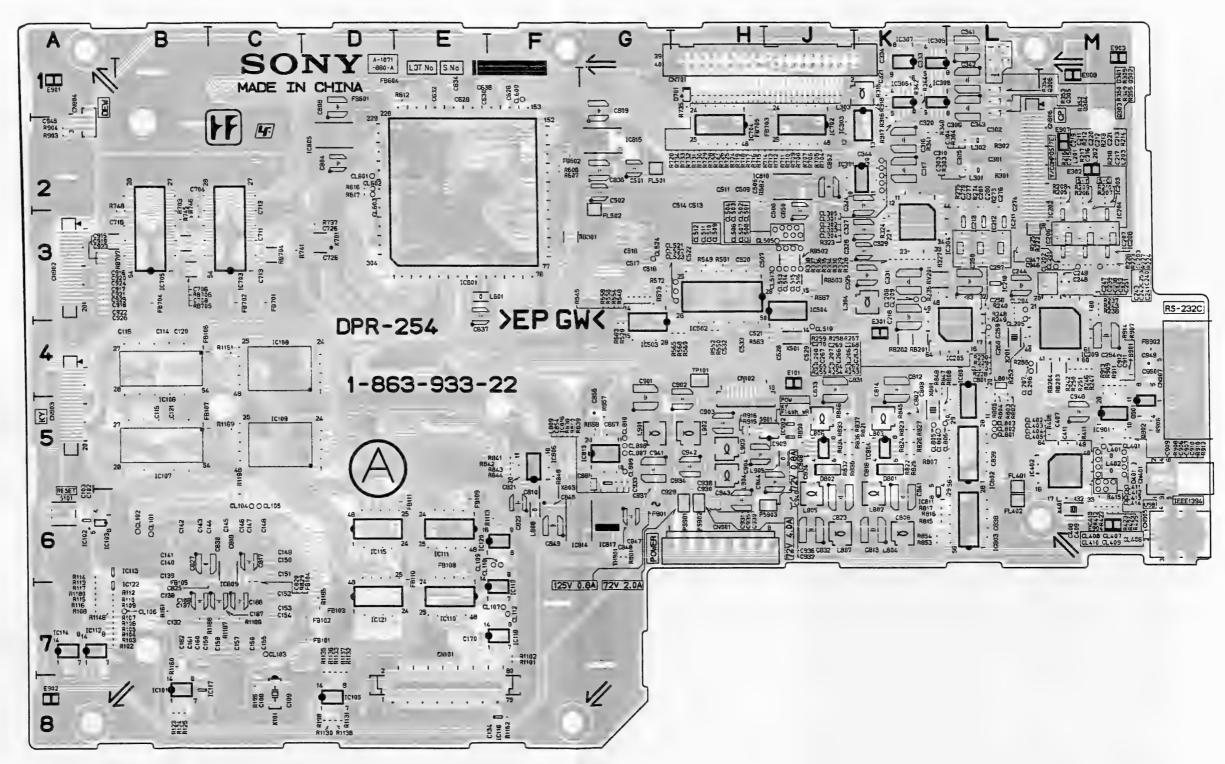
PSW-84 -A SIDE-SUFFIX: -11

SUFFIX: -12, 21

PSW-84 -B SIDE-SUFFIX: -11

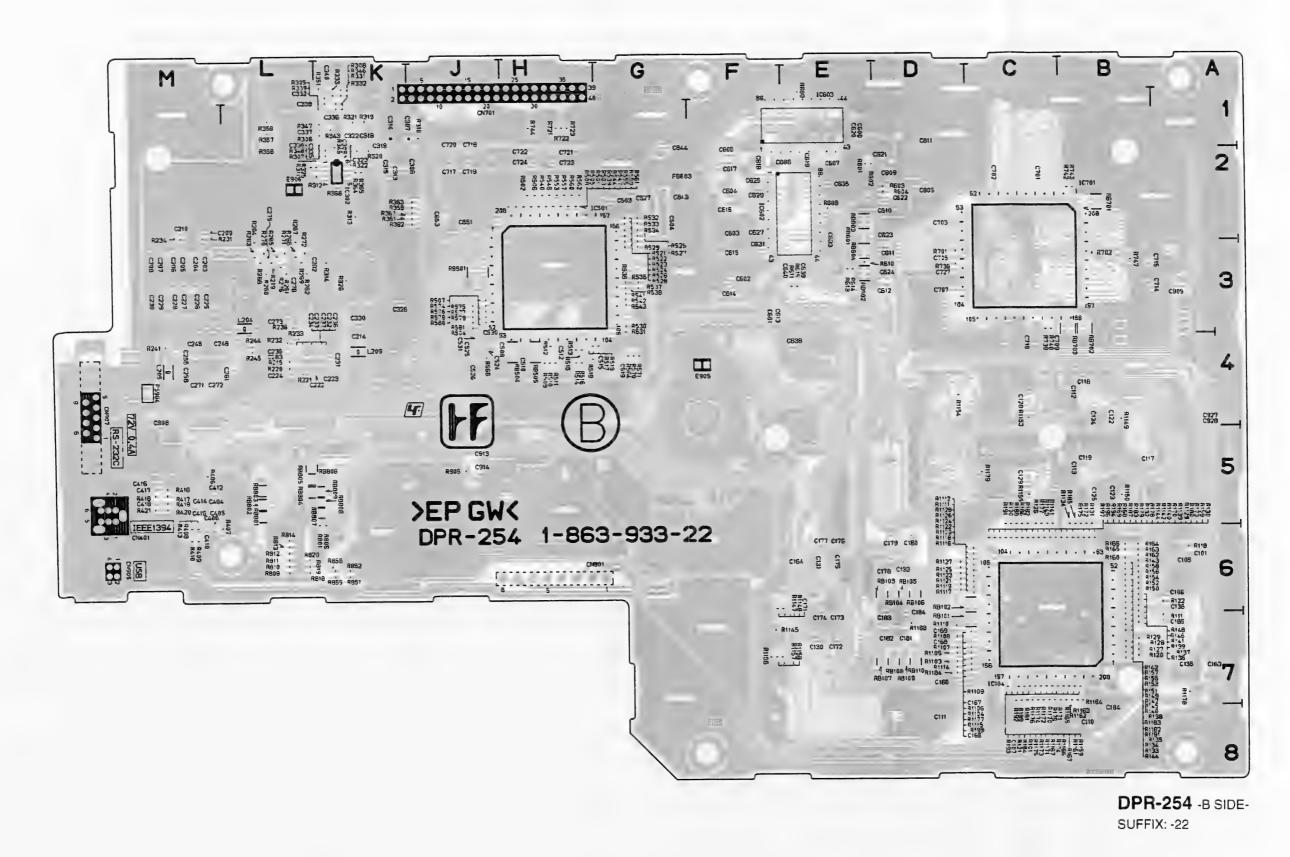
11-1 11-1 DVO-1000MD SM

SUFFIX: -11, 21



DPR-254 -A SIDE-SUFFIX: -22

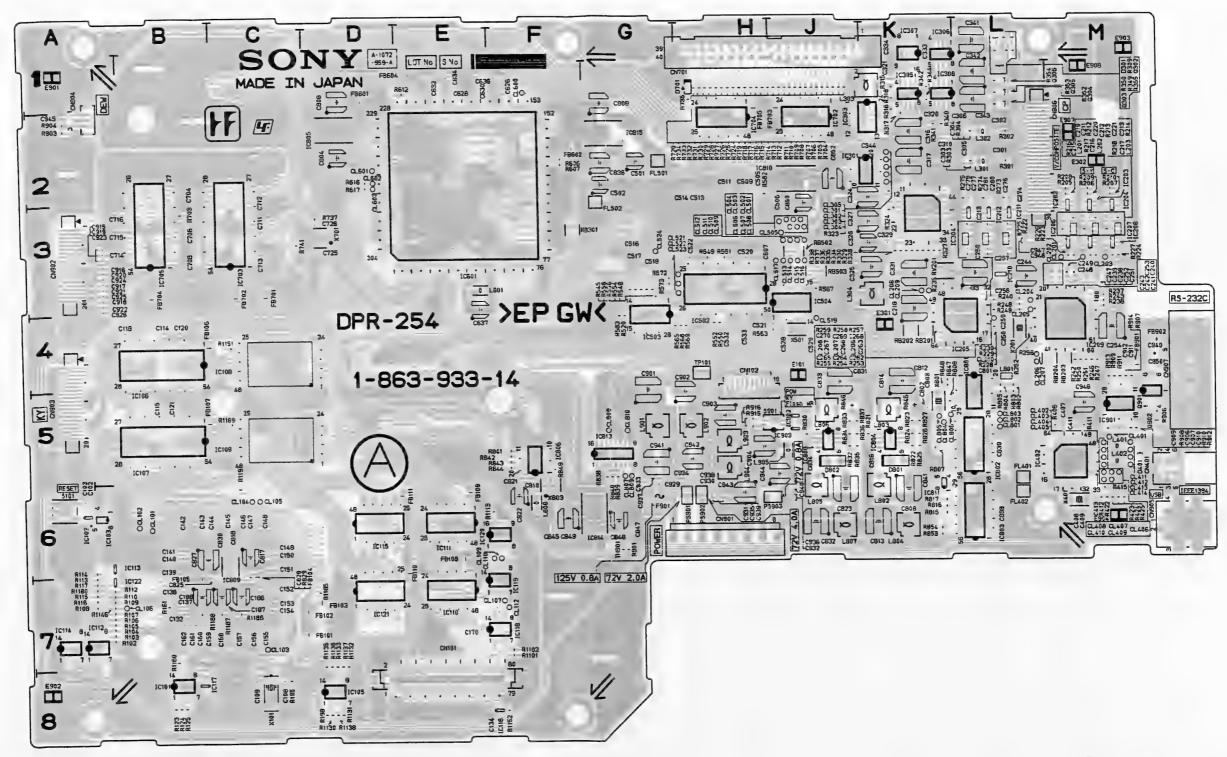
DVO-1000MD SM



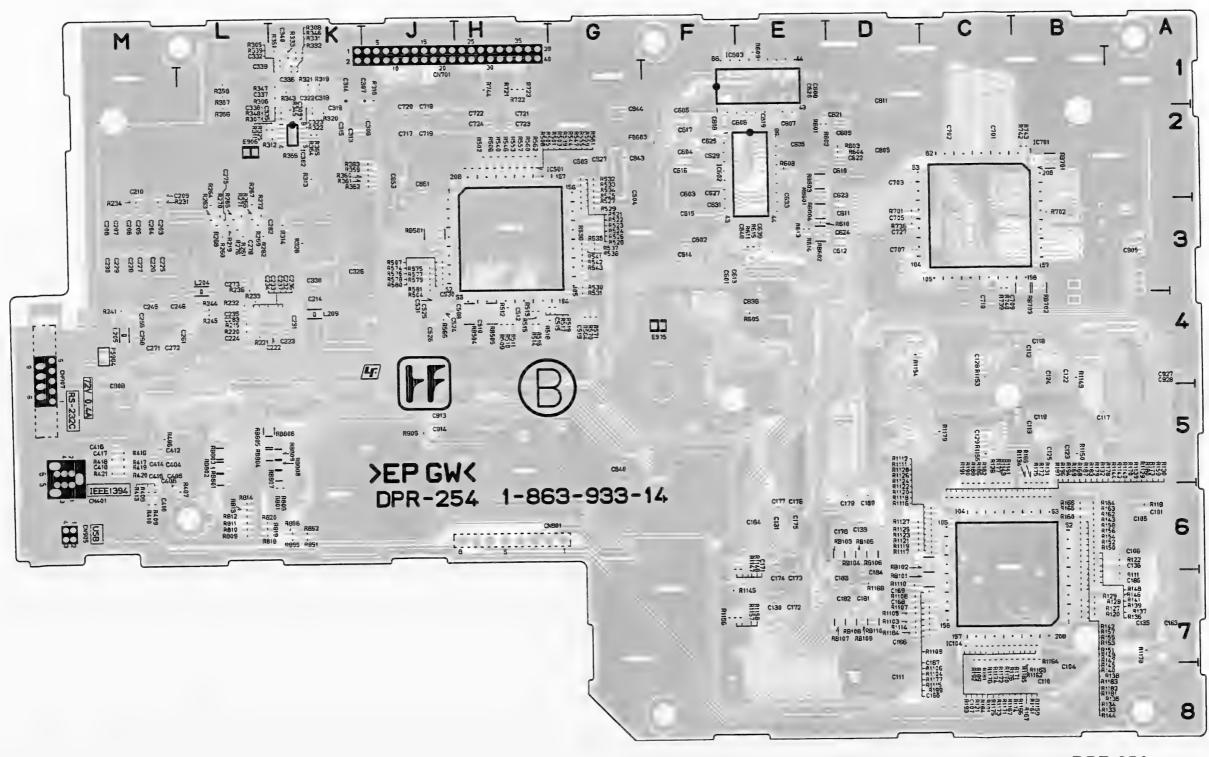
DVO-1000MD SM 11-3 11-3

DPR-254 (1-863-933-22)

															-		
*:B SIDE			0615 452		OT 407 ME	BD 602 + E2	T202 W2	D140 +D		D24E *I	/ 0250	* T2	DE 62	TA	D007 V5	P1127 +D6	DD704 03
C101 *A6 C102 A6 C103 A6 C104 *B8 C105 *A6 C107 *C7 C108 C8 C109 C8 C110 *B8 C111 *B4 C112 *B4 C113 *B5 C114 B4 C112 *B4 C112 *B4 C113 *B5 C114 B5 C116 B4 C117 *B5 C116 B4 C117 *B6 C117 *B7 C118 *B4 C121 B5 C116 B5 C116 C117 *B6 C117 *B7 C118 *B4 C121 B5 C116 B5 C116 B6 C117 *B7 C121 B7 C122 C123 *B5 C124 *B4 C125 *B5 C124 *B4 C125 C128 *C5 C128 *C5 C128 *C5 C131 B7 C131 B7 C131 B6 C132 B6 C134 B6 C135 C7 C136 C141 B6 C142 B6 C143 B6 C144 B6 C145 C6 C147 C6 C148 C6 C149 C6 C140 B6 C141 B6 C141 B6 C141 B6 C141 B6 C142 B6 C143 B7 C136 C7 C155 C7 C156 C7 C157 C7 C158 C7 C158 C7 C159 B7 C160 B7 C161 B7 C161 B7 C162 B7 C163 *A7 C164 *F6 C165 *C7 C155 C7 C155 C7 C155 C7 C155 C7 C158 C7 C168	C302 L2 C303 L2 C304 L2 C305 L2 C306 L2 C307 *J1 C308 *J2 C309 *K2 C310 K2 C313 *K2 C314 *K1	C509 H2 C510 *H4 C511 H2 C512 *H4 C513 H2 C514 H2 C515 *H4 C516 G3 C517 G3 C518 G3 C519 *G4 C520 H3 C521 J4 C522 H3 C522 H3 C524 *J4 C525 *J4 C525 *J4 C526 *J4 C527 *G2 C528 J4 C531 *J4 C533 H4 C531 *J4 C533 H4 C531 *F3 C602 *F2 C604 *F2 C605 *F2 C607 *E2 C608 *E1 C609 *D2 C611 *D3 C612 *D3 C611 *D3 C611 *F3	C615 *F3 C616 *F2 C617 *F2 C618 *F2 C618 *F2 C619 *E2 C620 *E1 C621 *D2 C622 *D2 C623 *D3 C624 *D3 C625 *F2 C626 F1 C627 *F2 C628 E1 C627 *F2 C630 F1 C631 *F3 C632 E1 C633 *E2 C634 *E1 C633 *E2 C634 *E1 C637 *F3 C630 F1 C631 *F3 C632 E1 C633 *E2 C634 *E1 C633 *E2 C703 *E2 C704 *E3 C704 *E3 C701 *C2 C702 *C2 C704 *E3 C701 *C2 C703 *D2 C704 *E3 C701 *C3	C850 J3 C851 *J2 C852 J2 C853 *J2 C853 *J2 C853 *J2 C854 G5 C855 G5 C855 G5 C856 G5 C857 G5 C901 G5 C902 H5 C903 H5 C904 H5 C907 M5 C908 *M4 C909 M5 C910 M5 C911 M4 C912 M4 C912 M4 C913 *J5 C914 *J5 C916 A3 C917 A3 C918 A3 C919 A3 C920 A3 C921 A3 C921 A3 C922 A3 C923 A3 C925 A3 C925 A3 C926 A5 C927 *A4 C928 *A4 C928 *A4 C929 G6 C931 H6 C933 G6 C934 H5 C936 J6 C937 G5 C938 H5 C939 H6 C931 J6 C933 G6 C934 H5 C936 J6 C937 G5 C938 H5 C939 H6 C931 J6 C933 G6 C934 H5 C936 J6 C937 G5 C938 H5 C939 H6 C931 J6 C931 J6 C933 G6 C934 H5 C934 H5 C945 L3 C946 L3 C947 L3 C948 M5 C940 J6 C941 J6 C941 J6 C941 J6 C942 H5 C942 H5 C943 H6 C950 M4 C950 M5 C940 M6 C950 M6 C950 M7 C850	CL407 M5 CL408 M5 CL409 M6 CL410 M6 CL411 M5 CL412 M5 CL412 M5 CL413 M5 CL501 J3 CL502 J3 CL504 J3 CL505 J3 CL505 J3 CL506 J3 CL507 J3 CL508 J3 CL510 J3 CL510 J3 CL510 J3 CL510 J3 CL511 J3 CL511 J3 CL512 J3 CL512 J3 CL512 J3 CL514 J3 CL514 J3 CL515 J3 CL514 J3 CL515 J3 CL516 J3 CL516 J3 CL516 J3 CL517 J3 CL516 J3 CL517 J3 CL518 J3 CL514 J3 CL516 J3 CL516 J3 CL517 J3 CL518 J3 CL514 J3 CL518 J3 CL524 G3 CL520 H3 CL520 H3 CL520 H3 CL600 D2 CL601 D2 CL602 D2 CL602 D2 CL603 D5 CL808 G5 CL809 G5 CL808 G5 CL809 G5 CN901 H6 CN902 A3 CN903 A5 CN904 A2 CN905 M6 CN9006 L2 CN907 M4 E301 L1 D401 M5 D701 H1 D801 M5 D701 H6 E902 A8 E9004 M6 E905 *F4 E9006 M1 E902 A8 E9004 M6 E905 *F4 E9007 M2 E9008 M1 F901 G6 FB101 C7 FB103 D7 FB104 C7 FB105 B7 FB106 B4 FB107 B5 FF8 FF8 FF8 FF8 FF8 FF8 FF8 FF8 FF8 FF	FB603 *F2 FB604 E1 FB701 C3 FB702 C3 FB703 J2 FB704 B3 FB705 H4 FB902 M4 FL401 L5 FL501 G2 FL500 G3 IC101 B8 IC102 B6 IC103 A6 IC104 *C7 IC105 B8 IC106 B4 IC107 B5 IC108 C4 IC109 C5 IC110 B7 IC111 B6 IC112 A7 IC113 A6 IC114 A7 IC115 D6 IC110 B7 IC111 B7 IC112 B7 IC112 B7 IC112 B7 IC113 B8 IC106 B4 IC107 B5 IC108 C5 IC110 E7 IC111 B7 IC112 B7 IC112 B7 IC112 B7 IC112 B7 IC112 B7 IC113 B8 IC106 B4 IC117 B8 IC118 F7 IC119 F6 IC111 B7 IC119 F6 IC110 B8 IC110 B8 IC100 B1 I	L202 M3 L203 M3 L204 *L3 L205 *M4 L206 L3 L207 L3 L208 L3 L209 *K4 L301 L2 L302 L2 L303 K1 L304 K3 L401 M5 L402 M5 L402 K6 L803 K5 L804 K6 L805 J6 L807 J6 L808 F6 L809 G5 L902 H5 L903 H5 L904 L905 J5 L904 L905 J5 L904 L905 J5 L904 L905 M6 PS903 H6 PS903 H6 PS904 *M4 Q302 L1 Q304 L1 Q305 L1 Q304 L1 Q305 L1 Q304 L1 Q305 L1 Q304 L1 Q305 L1 Q306 Q307 R104 A7 R107 R7 R102 A7 R102 A7 R103 A7 R104 A7 R105 A7 R106 A7 R107 A7 R107 A7 R108 A7 R107 A7 R108 A7 R107 A7 R108 A7 R110 A7 R111 *A7 R1114 *A6 R1131 *B6 R120 *B7 R131 *B6 R121 *B7 R133 *B7 R134 *B7 R135 *B7 R136 *B7 R137 *B7 R138 *B7 R137 *B7 R138 *B7 R134 *B6 R124 *B6	R196 *C R197 *C R198 R199 *C R199 *C R205 M R206 R207 M R208 M R209 M R210 M R212 M R212 M R2112 M R2112 M R212 M R212 M R212 M R213 M R214 M R215 *I R216 M R217 M R216 M R217 M R218 M R219 *I R220 M R221 M R222 M R223 M R223 M R223 M R233 M R234 M R235 M R237 M R238 M R237 M R240 M R241 M R242 M R242 M R243 M R244	6 6 6 6 6 6 6 6 6 6 6 7 7 6 6 6 6 6 7 7 6 6 6 6 7 7 6 6 6 6 7 7 6 6 6 6 7 7 6 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 6 6 6 7 7 7 6 6 8 7 7 6 6 7 7 6 7 7 6 7 7 6 7 7 7 7 6 7 7 7 7 6 7 7 7 7 6 7 7 7 7 6 7	R247 R248 I I R249 I I R250 I R251 R251 R252 I I R252 I I R253 I I R255 I I R255 I I R255 I I R256 I I R266 I R267 I R267 R271 R271 R271 R272 R273 R274 R275 R274 R275 R274 R275 R271 R272 R273 R274 R275 R271 R272 R273 R274 R275 R276 R277 R277 R277 R277 R277 R277 R277	14 R360 R361 J3 R362 J4 R363 I4 R365 J4 R365 J3 R405 J3 R405 J3 R407 J3 R407 J3 R410 J3 R411 J3 R411 J3 R412 J3 R412 J3 R412 J3 R412 J3 R412 J3 R412 J3 R412	*J2 *J2 *J2 *S2 *S2 *S2 *S4 *S5 *M6	R563 R563 R563 R5667 R5668 R5667 R5668 R5769 R5771 R573 R5774 R5773 R5774 R5773 R5774 R5773 R5774 R5773 R5774 R5773 R5774 R5773 R5774 R5776 R5780 R6012 R6013 R6014 R6017 R6019 R6110 R6111 R6112 R6113 R6114 R6114 R6116 R7012 R7018 R7019 R701	*G4 *J4 JH4 #G4 *G3 *J3 3 *J3	R807 K5 R808 *L6 R810 *L6 R811 *L6 R812 *L6 R813 *L6 R812 *L6 R812 *L6 R812 *L6 R812 *L6 R812 *L6 R812 *L6 R813 *L6 R812 *L6 R812 *L6 R822 *K5 R822 *K5 R822 *K5 R822 *K5 R823 *J5 R833 *J5 R833 *J5 R833 *J5 R833 *J5 R833 *J5 R834 *J5 R835 *J5 R836 *J5 R837 *J5 R838 *J5 R838 *J5 R838 *J5 R839 *J5 R838 *J5 R839 *J5 R838 *J5 R839 *J5 R839 *J5 R839 *J5 R839 *J5 R844 *F5 R845 *K6 R857 *G5 R858 *G5 R858 *G5 R858 *G5 R859 *M5 R859 *M5 R859 *M5 R890 *M5 R909 *M4 R911 *M4 R912 *M5 R911 *M4 R912 *C6 R1112 *C6 R11110 *C7 R1110 *C7 R1110 *C7 R1110 *C7 R1110 *C7 R11110 *C7 R11110 *C7 R11111 *C6 R11112 *C6 R1112 *C6 R112 *C6 R1112 *C6 R112 *C	R1127 *D6 R1128 *C6 R1129 *B6 R1130 D8 R1131 D7 R1133 D7 R1134 *B6 R1140 *C6 R1141 *C6 R1142 *C6 R1142 *C6 R1144 *C6 R1144 *C6 R1144 *C6 R1145 *F7 R1146 *F7 R1146 *B7 R1150 *B5 R1151 C4 R1152 F8 R1153 *C4 R1155 *C5 R1156 *F7 R1157 *C7 R1157 *C7 R1157 *C7 R1158 *D7 R1160 *B7 R1161 *B7 R1162 *B7 R1163 *B7 R1164 *B7 R1165 *B7 R1167 *C7 R1171 *C7	RB704 C3 RB705 B3 RB707 B3 RB707 A5 RB801 *L5 RB803 *L5 RB804 *L5 RB806 *L5 RB807 *K5 RB808 *K5 RB809 *K5 RB809 T5 RV201 K3 S101 A6 S901 J5 TH901 G6 TP101 H4 X101 C8 X201 L4 X401 L4 X401 L5 X201 L4 X401 L5 X201 L5 X201 L5 X201 L7



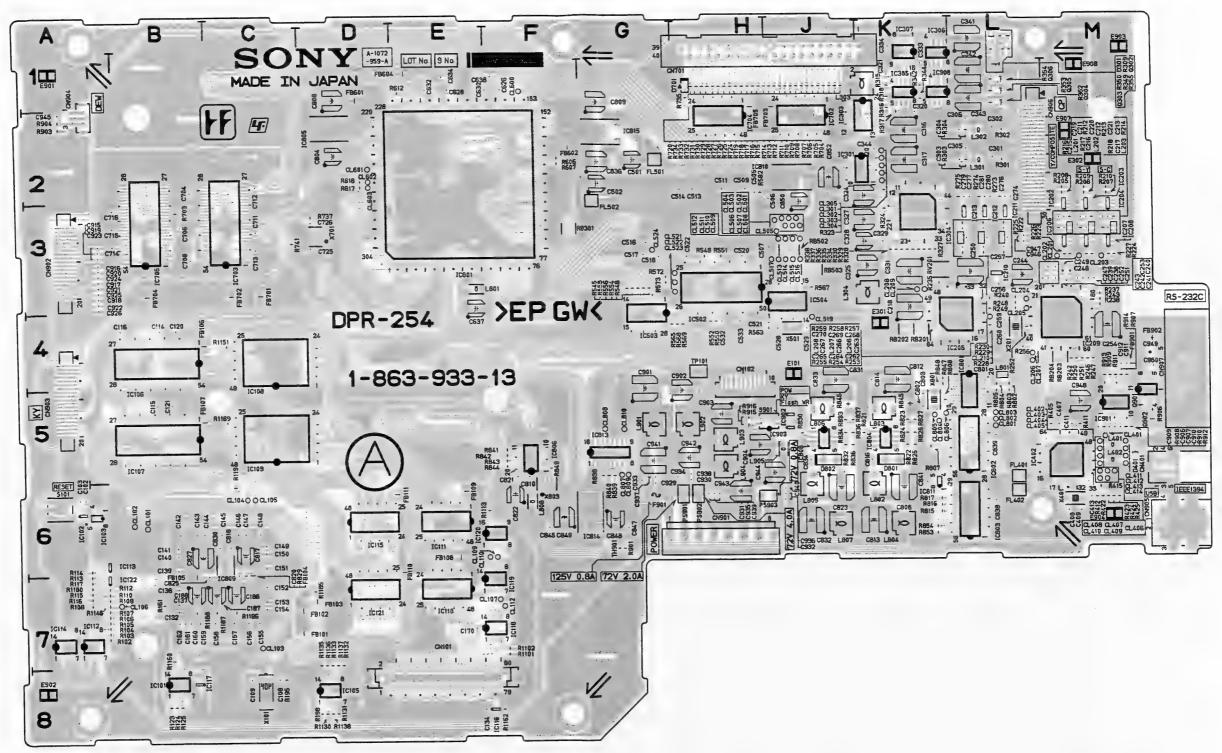
DPR-254 -A SIDE-SUFFIX: -14, 21



DPR-254 -B SIDE-SUFFIX: -14, 21

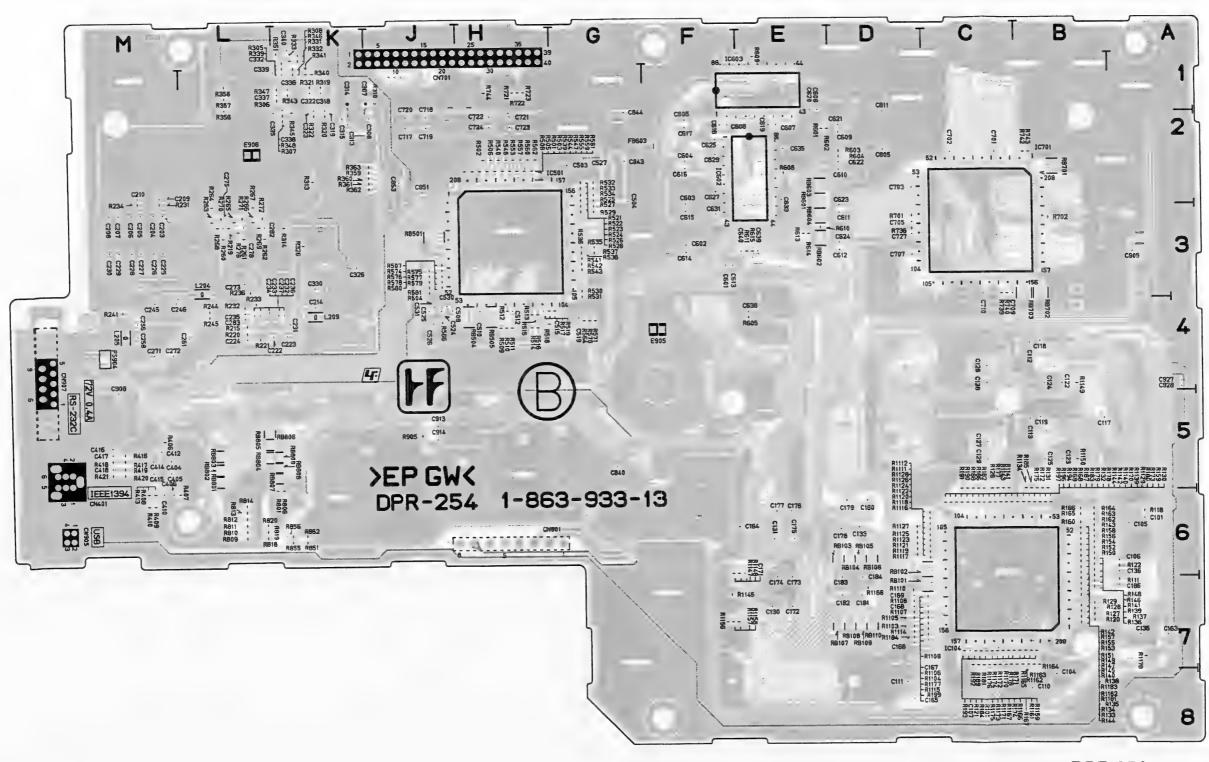
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M3 C405 *M5 C136 *A6 C240 M3 C408 M6 C137 *B7 C241 M3 C405 *M5 C136 *A6 C240 M3 C410 *M6 C137 *B7 C241 M3 C405 *M5 C138 *B7 C229 M3 C338 *K1 C139 *B6 C237 *L3 C343 L1 C131 *B6 C237 *L3 C405 *M5 C134 *B8 C238 M3 C407 *M5 C135 *A7 C239 M3 C407 *M5 C136 *A6 C240 M3 C408 M6 C137 *B7 C241 M3 C405 *M5 C138 *B7 C242 M3 C410 *M6 C137 *B7 C241 M3 C405 *M5 C138 *B7 C242 M3 C410 *M6 C137 *B7 C241 M3 C409 M6 C138 *B7 C242 M3 C410 *M6 C136 *A6 C246 *M3 C414 *M5 C144 *B6 C246 *M3 C414 *M5 C144 *B6 C246 *M3 C414 *M5 C145 *C6 C255 *M4 C509 *M6 C137 *B7 C241 M3 C410 *M6 C136 *A6 C240 M3 C410 *M6 C137 *B7 C241 M3 C410 *M6 C136 *A6 C240 M3 C410 *M6 C137 *B7 C241 M3 C410 *M6 C136 *A6 C240 M3 C410 *M6 C137 *B7 C241 M3 C410 *M6 C136 *A6 C240 M3 C410 *M6 C137 *B7 C241 M3 C410 *M6 C136 *B7 C242 M3 C410 *M6 C137 *B7 C241 M3 C410 *M6 C138 *B7 C242 M3 C410 *M6 C137 *B7 C241 M3 C410 *M6 C138 *B7 C242 M3 C410 *M6 C139 *B6 C243 L3 C511 *M6 C140 *B6 C246 *M3 C416 *M5 C140 *B6 C246 *M	C621	03 JZ KJ002 N8 R144 *B7 R241 04 B3 KJ003 N8 R145 *B6 R242 05 H2 KJ004 A8 R146 *B6 R243 01 M4 L201 M3 R148 *B6 R244 02 M4 L201 M3 R148 *B6 R245 01 L5 L202 M3 R149 *B6 R246 01 L5 L204 *L3 R151 *B6 R248 01 L202 M3 R155 *B6 R247 01 G2 L6 L204 *L3 R151 *B6 R248 01 G2 L205 *M4 R152 *B6 R247 01 G2 L205 *M4 R152 *B6 R250 01 G2 L205 *M5 R153 *B6 R250 01 L207 L3 R154 *B6 R251 01 B8 L208 L3 R155 *B6 R251 01 B8 L208 L3 R155 *B6 R252 01 A6 L209 *X3 R156 *B6 R253 01 A6 L301 L2 R157 *B6 R253 01 A6 L301 L2 R157 *B6 R255 010 B8 L303 K1 R159 *B6 R256 010 B4 L304 K3 R160 *B6 R257 011 B5 L401 M5 R161 B7 R258 019 C5 L601 B3 R163 *B6 R250 019 C5 L601 B3 R163 *B6 R250 011 B6 R264 R165 *B6 R251 011 E6 L802 K6 R165 *B6 R251 011 E7 L801 L4 R164 *B6 R261 011 E6 L802 K6 R165 *B6 R263 011 B7 R268 011 B8 R308 F6 R171 *C7 R268 011 B8 R308 F6 R171 *C7 R268 011 B7 R303 H5 R174 *C7 R271 011 B8 R308 F6 R171 *C7 R268 011 B7 R304 R171 *C7 R271 012 A7 L803 H5 R174 *C7 R271 014 R171 *B6 R264 R262 015 E6 L903 H5 R174 *C7 R271 017 B8 L808 F6 R171 *C7 R268 018 C4 L909 *M4 R181 *C7 R303 019 C5 L601 R188 *C6 R265 010 E6 L903 H5 R174 *C7 R271 010 E7 L801 R183 *C6 R303 011 A6 R304 F8902 H6 R179 *C6 R275 012 E6 L903 H5 R174 *C7 R271 012 E7 L904 H5 R175 *B6 R270 014 *C7 R311 015 E7 L801 R184 *C7 R303 015 E7 L801 R184 *C7 R303 016 R1 R304 R194 *C6 R303 017 R304 L1 R184 *C7 R305 019 C6 R301 R103 A7 R193 *C7 R313 010 R101 *C7 R191 *C6 R312 010 R304 L1 R184 *C7 R305 010 R304 L1 R184 *C6 R303 010 R1 R104 A7 R195 *C6 R315 010 R304 L1 R184 *C7 R305 010 R304 L1 R185 *C6 R303 010 R1 R104 A7 R195 *C6 R311 010 R304 L1 R185 *C6 R3312 010 R306 R1 R103 A7 R195 *C6 R3312 010 R306 R1 R103 A7 R195 *C6 R3312 010 R306 R1 R104 A7 R199 *C7 R3313 010 R101 *C7 R191 *C6 R3313 010 R101 *C7	L3 R354 L1 R558 G3 *M3 R355 L1 R560 *H2 M3 R357 *L1 R561 *H2 *L3 R358 *L1 R562 *H2 *L3 R359 *JZ R563 J4 M4 R360 *JZ R566 *J4 L4 R363 *JZ R566 *J4 L4 R366 *KZ R568 H4 M4 R366 *KZ R568 H4 M4 R366 *KZ R570 *G4 L3 R406 *M5 R571 *G4 L3 R406 *M5 R571 *G4 L3 R406 *M5 R571 *G3 L3 R407 *M6 R573 G3 L4 R408 *M6 R576 *J3 L3 R410 *M6 R576 *J3 L3 R411 M5 R576 *J3 L3 R412 M6 R576 *J3 *L13 R412 M6 R578 *J3 *L13 R412 M6 R580 J3 *L13 R411 *M5 R581 *J3 *L13 R412 M6 R580 J3 *L14 R418 *M5 R581 *J3 *L15 R412 R60 R604 *D2 *L2 R420 *M5 R601 *E2 *L2 R420 *M5 R602 *E2 *L2 R420 *M5 R602 *E2 *L3 R421 *M5 R603 *D2 *L13 R422 M6 R604 *D2 *L13 R422 M6 R604 *D2 *L13 R422 M6 R604 *D2 *L13 R422 M6 R606 F2 *L2 R501 *H2 R608 *E2 *L2 R502 *H2 R609 *E1 *L2 R503 *H2 R610 *E3 *L3 R504 *J3 R611 *E3 *L2 R505 *H2 R610 *E3 *L3 R504 *J3 R611 *E3 *L2 R506 *H2 R613 *E3 *L1 R512 *H3 R703 B3 *J1 R514 *H4 R701 D2 *K1 R510 *H4 R617 D2 *K1 R510 *H4 R704 J1 *K2 R511 *H3 R703 B3 *J1 R514 *H4 R704 J1 *K2 R516 *H4 R706 J1 *K2 R517 *H3 R707 J1 *K3 R518 *H4 R708 J1 *K1 R519 *G3 R719 J1 *K2 R524 *G2 R711 J1 *K2 R526 *G3 R716 J1 *K3 R538 *G3 R725 H1 *K1 R537 *G3 R727 H1 *K3 R538 *G3 R726 H1 *K1 R537 *G3 R727 H1 *K3 R538 *G3 R725 H1 *K1 R537 *G3 R727 H1 *K3 R538 *G3 R726 H1 *K1 R537 *G3 R727 H1 *K3 R538 *G3 R728 H1 *K3 R534 *G3 R733 H1 *K3 R544 *G3 R733 H1	R901 G6 R1176 *C7 R903 A2 R1177 *C7 R904 A2 R1178 *A7 R905 *J5 R1179 *C5 R906 M5 R1180 A7 R907 M4 R1181 *E7 R908 M5 R1182 *E7 R909 M4 R1183 *B7 R910 M5 R1184 *D7 R911 M4 R1185 D7 R911 M4 R1185 D7 R911 M4 R1188 B7 R912 M5 R1186 C7 R913 M4 R1188 B7 R915 H5 R916 H5 RB101 *C7 R1101 F7 RB102 *C6 R1102 F7 RB103 *D6 R1103 *D7 RB104 *D6 R1104 *C7 RB105 *D6 R1105 *D7 RB106 *D6 R1106 *C7 RB107 *D7 R1107 *D7 RB108 *D7 R1108 *D7 RB109 *D7 R1109 *C7 RB10 *D7 R1109 *C7 RB10 *D7 R1101 *D7 RB100 *D7 R1109 *C7 RB100 *D7 R1109 *C7 RB101 *D7 R1101 *D7 RB100 *D7 R1101 *D7 RB101 *D7 R1110 *D7 RB201 K4 R1111 *C66 RB202 K4 R1111 *C66 RB202 K4 R11112 *C66 RB202 K4
C169 *D7 C273 *L3 C524 *J3 C170 E7 C274 L2 C525 *J3 C171 *E6 C275 *L3 C526 *J4 C172 *E7 C276 L2 C527 *G2 C173 *E7 C277 L2 C528 J4 C174 *E7 C278 *L3 C529 J4 C175 *E6 C279 L2 C531 *J3 C176 *E6 C280 L2 C531 *J3 C176 *E6 C280 L2 C531 *J3	C816 K5 CL201 M3 E904 M6 ICT C817 C6 CL202 M3 E905 *F4 ICE C818 C6 CL203 M3 E906 *L2 ICE C820 C7 CL204 L3 E907 M2 ICE C820 C7 CL204 L3 E907 M2 ICE C821 F5 CL205 L4 E908 M1 ICE C822 F6 CL206 L4 C823 J6 CL207 L4 F901 G6 ICE C825 B7 CL208 K3 C827 B6 CL209 K3 FB101 C7 ICE C830 C6 CL210 L4 FB102 C7 ICE C831 J4 CL301 K2 FB103 D7 ICE C831 J4 CL301 K2 FB103 D7 ICE C832 J6 CL304 K2 FB104 C7 ICE C833 J4 CL303 K2 FB105 B7 ICE C833 J4 CL303 K2 FB106 B4 ICE C834 J5 CL304 K2 FB106 B4 ICE C836 G2 CL305 K2 FB106 B4 ICE C837 L5 CL304 K2 FB106 B4 ICE C838 L6 CL401 M5 FB108 E6 ICE C839 L5 CL402 M5 FB108 E6 ICE C840 *G5 CL403 M5 FB110 E6 C841 K6 CL404 M5 FB111 E6 KAC C843 *G2 CL405 M5 FB601 D1 KAC C844 *G2 CL405 M5 FB601 D1 KAC C845 F6 CL407 M5 FB601 *F2 KB6 C845 F6 CL407 M5 FB601 FF	R330	K3 R534 *G2 R724 H1 *K1 R535 *G3 R725 H1 *K1 R536 *G3 R727 H1 *K1 R538 *G3 R728 H1 K3 R539 *H2 R729 H1 K3 R540 *H2 R730 H1 K3 R541 *G3 R731 H1 K3 R542 *G3 R733 H1 K1 R543 *G3 R733 H1 K2 R544 *H2 R734 H1 K1 R546 *H2 R735 H1 K1 R546 *H2 R737 D3 *K1 R548 G3 R739 *C3 *K1 R549 H3 R740 *C3 *K1 R549 H3 R740 *C3 *K1 R551 H3 R742 *B2 *K2 R552	R1103 *D7 RB104 *D6 R1104 *C7 RB105 *D6 R1105 *D7 RB106 *D6 R1106 *C7 RB107 *D7 R1107 *D7 RB108 *D7 R1108 *D7 RB109 *D7 R1109 *C7 RB110 *D7 R1110 *D7 RB201 K4 R1111 *C6 RB202 K4 R1112 *C6 RB203 M4 R1113 F6 RB204 M4 R1114 *D7 RB301 F3 R1115 *C7 RB501 *J3 R1116 *C6 RB502 J3 R1117 *D6 RB503 J3 R1118 *C6 RB504 *H4 R1119 *D6 RB505 *H4 R1110 *C6 RB504 *H4 R1111 *D6 RB601 *E2 R1121 *D6 RB601 *E2 R1121 *D6 RB602 *E3 R1122 *C6 RB603 *E2 R1121 *D6 RB604 *E3 R1124 *C6 RB701 *B2 R1124 *C6 RB701 *B2 R1125 *D6 RB702 *B3

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DPR-254 -A SIDE-SUFFIX: -13

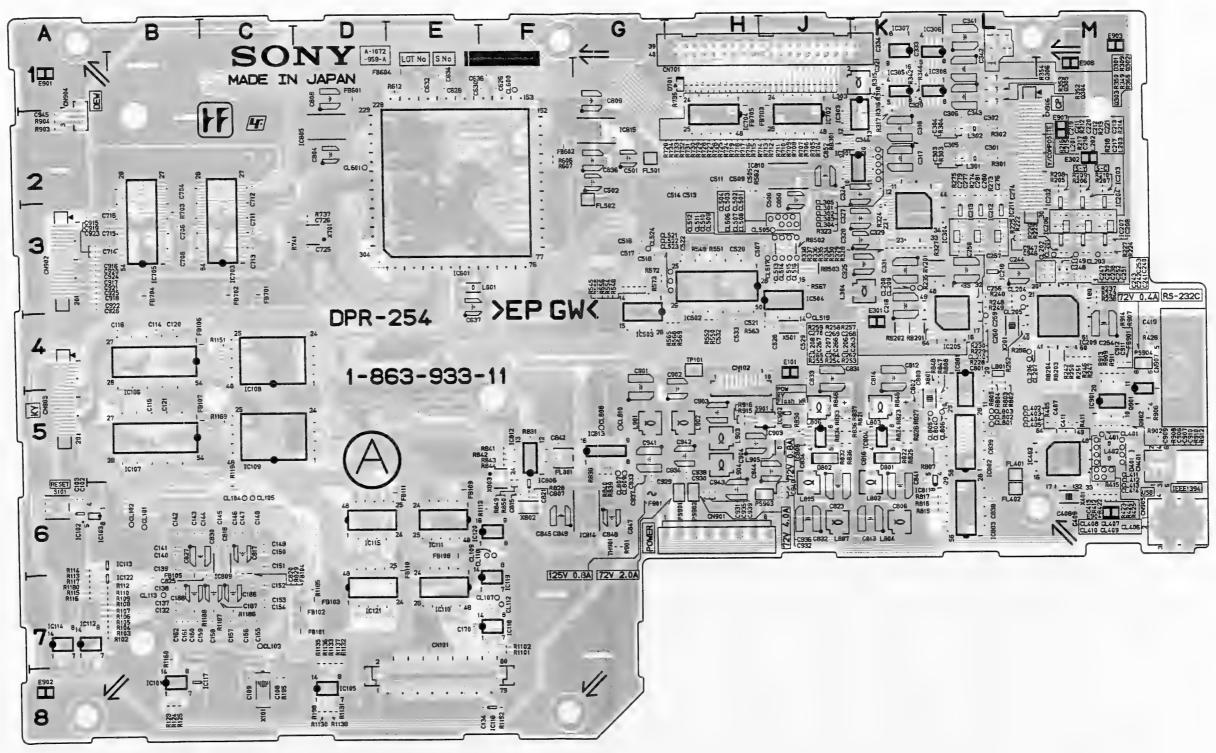
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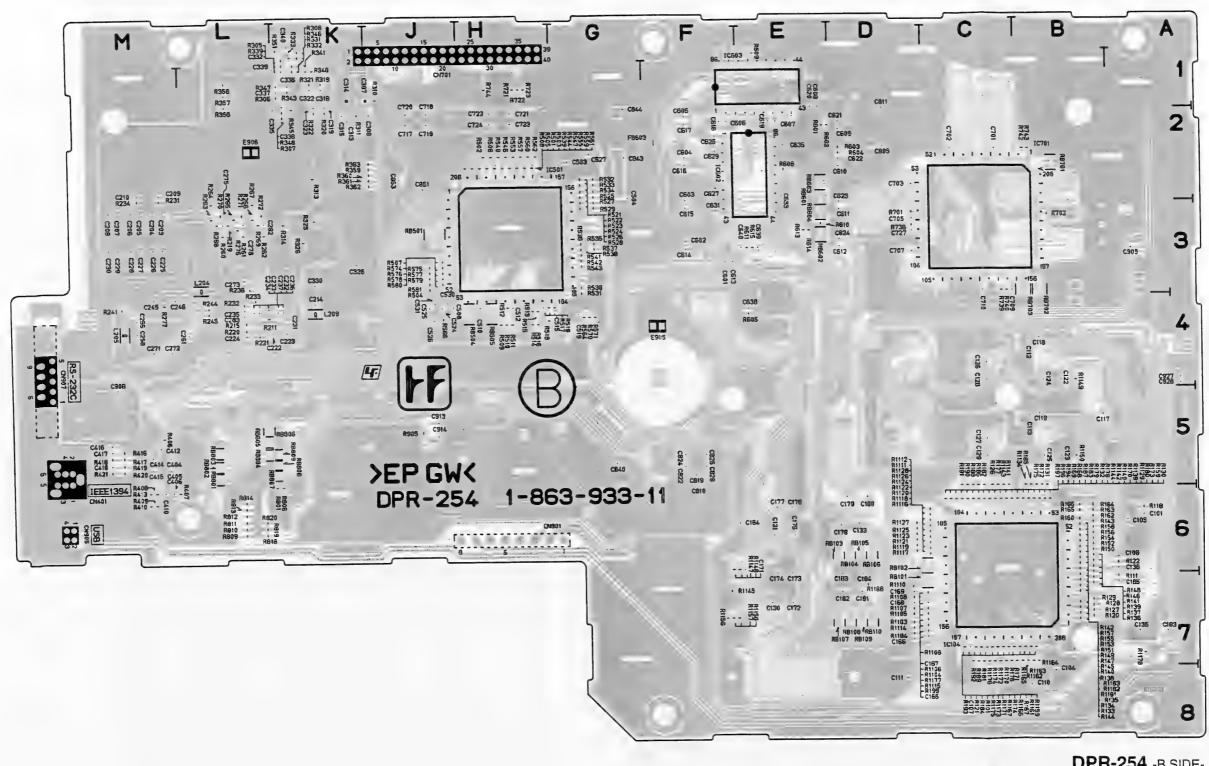
DPR-254 -B SIDE-SUFFIX: -13

DPR-254 (1-863-933-1	13)

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	FB702 C3 KJ002 FB703 J2 KJ003 FB704 B3 KJ004 FB705 H2 FB901 M4 L201 FB901 M4 L202 FL401 L5 L204 FL402 L6 L205 FL501 G2 L206 FL502 G3 L207 IC101 B8 L209 IC102 A6 L301 IC103 A6 L302 IC104 *C7 L303 IC105 D8 L402 IC104 B4 L401 IC107 B5 L402 IC108 D4 L601 IC109 D5 L801 IC100 B7 L802 IC111 E6 L803 IC112 A7 L804 IC113 A6 L805 IC114 A7 L806 IC115 D6 L807 IC116 F8 L808 IC117 B8 L901 IC118 E7 L902 IC118 E7 L902 IC119 E7 L903 IC120 E6 L904 IC120 E6 L904 IC121 D7 L905 IC120 E7 L903 IC204 M3 PS903 IC205 L4 PS904 IC205 L4 PS904 IC206 M3 IC207 M3 Q302 IC208 M3 Q303 IC209 M4 Q304 IC210 L3 Q305 IC209 M4 Q304 IC210 L3 Q305 IC211 L3 Q306 IC212 L3 Q901 IC213 L3 Q306 IC212 L3 Q901 IC213 L3 Q306 IC214 M3 R102 IC303 J1 R101 IC304 K3 R102 IC305 K1 R103 IC306 K1 R103 IC306 K1 R104 IC307 K1 R105 IC308 M3 R109 IC501 H3 R109 IC503 G3 R110 IC504 H3 R109 IC504 H3 R109 IC504 H3 R109 IC505 L4 R113 IC601 E2 R112 IC602 FF2 R113 IC603 FF2 R114 IC701 *C3 R115 IC702 J1 R116 IC703 C3 R117 IC704 H1 R118 IC601 E2 R112 IC602 FF2 R113 IC603 FF3 R107 IC501 H3 R109 IC504 H3 R109 IC504 H3 R109 IC504 H3 R109 IC505 H3 R103 IC306 K1 R103 IC306 K1 R104 IC307 K1 R105 IC308 K1 R106 IC402 M5 R107 IC501 *H3 R108 IC504 H3 R109 IC503 G3 R110 IC504 H3 R109 IC504 H3 R109 IC504 H3 R109 IC505 L4 R121 IC601 E2 R112 IC602 FF2 R113 IC603 FF3 R136 IC804 K5 R123 IC804 K5 R123 IC804 K5 R123 IC804 K5 R123 IC806 F5 R125 IC808 J5 R126 IC809 C6 R127 IC809 L6 R127 IC801 M5 R133 IC902 J5 R134 IC903 J5 R135 IC801 K6 R129 IC814 G6 R131 IC801 M5 R133 IC902 J5 R134 IC903 J5 R135 IC8004 K8 R136	CL301 K2 FB103 D7 CL302 K2 FB104 C7 CL303 K2 FB105 B7 CL304 K2 FB106 B4 CL305 K2 FB107 B5 CL401 M5 FB108 E6 CL402 M5 FB109 E6 CL403 M5 FB110 E6 CL404 M5 FB111 E6 CL405 M5 FB601 D1 CL406 M5 FB602 F2	C516 G3 C808 D1 C517 G3 C809 G1 C518 G3 C810 F5 C519 *G4 C811 *D2 C520 H3 C812 K4 C521 J4 C813 K6 C522 H3 C814 K4 C524 *J3 C816 K5 C525 *J3 C817 C6 C526 *J4 C818 C6 C527 *G2 C820 C7 C528 J4 C821 F5 C529 J4 C821 F5 C529 J4 C822 F6 C530 *J3 C823 J6 C531 *J3 C825 B7 C532 H4 C830 C6 C533 H4 C830 C6 C533 H4 C830 C6 C601 *F3 C831 J6 C602 *F3 C832 J6	*:B SIDE C101 *A6 C205 *M3 C102 A6 C206 *M3 C103 A6 C207 *M3 C104 *B8 C208 *M3 C105 *A6 C209 *M2 C106 *A6 C210 *M2 C107 *C7 C211 M3 C108 C8 C212 M3 C110 *B8 C214 *K3 C111 *B8 C214 *K3 C111 *B8 C215 M3 C112 *B4 C216 M3 C113 *B5 C217 M3 C114 B4 C218 K3 C115 B5 C219 M3 C116 B4 C220 M3 C116 B4 C220 M3 C117 *B5 C221 M3 C118 *B4 C222 *M3 C118 *B4 C222 *M4 C120 B4 C224 *M2 C120 B4 C224 *M2 C121 B5 C225 *M3 C122 *B4 C226 *M3 C120 B4 C224 *M4 C121 B5 C227 *M3 C124 *B4 C228 *M3 C125 *B5 C229 *M3 C126 *C4 C230 *M3 C127 *C5 C231 *K4 C129 *C5 C231 *K6 C129 *C5 C233 *K6 C133 *B7 C234 *L1 C130 *E7 C234 *L1 C131 *E6 C235 *L1 C130 *E7 C234 *L1 C131 *B6 C237 *M3 C136 *A6 C240 M4 C137 B7 C241 M8 C137 B7 C241 M8 C138 *B6 C244 *M4 C139 B6 C245 *M3 C135 *A7 C239 M8 C135 *A7 C239 M8 C135 *A7 C239 M8 C136 *B7 C242 C139 B6 C243 *M4 C134 B6 C245 *M3 C135 *A7 C237 C134 E8 C246 *M4 C137 B7 C241 *M4 C138 B6 C247 *M6 C139 B6 C243 *M6 C141 B6 C245 *M7 C138 *C6 C255 *M7 C136 *C7 C256 *M7 C136 *C7 C256 *M7 C157 C7 C261 *M7 C158 C7 C256 C151 *M7 C158 C7 C257 C258 *M7 C158 C7 C258 *M7 C170 *E7 C274 *C77 C174 *E7 C276 C173 *E7 C277 C174 *E7 C276 C175 *C6 C281 C179 *D6 C283 C179 *C6 C251 *C7 C166 *C7 C270 C270 C167 *C7 C270 C270 C168 *D7 C271 *C7 C174 *E7 C276 C175 *E6 C280 C177 *E6 C280 C178 *D7 C188 *D7 C300 C300 C300 C300 C300 C300 C300 C30



DPR-254 -A SIDE-SUFFIX: -11

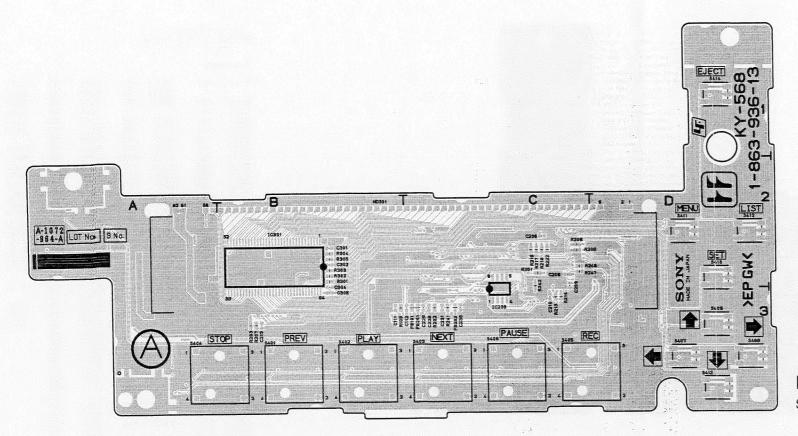


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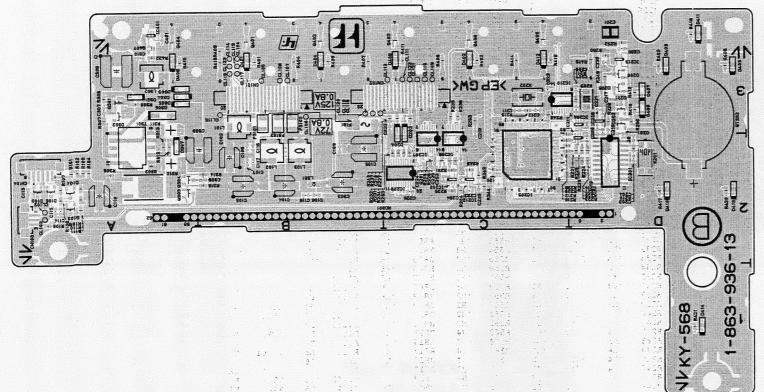
DPR-254 (1-863-9 33-11)

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C101	C619 *E2 C845 F6 CL410 M6 C620 *E1 C847 G6 CL411 M5 C621 *D2 C848 G6 CL412 M5 C622 *D2 C849 F6 CL413 M5 C623 *D3 C850 J3 CL614 M5 C624 *D3 C851 *J2 CL501 J3 C625 *F2 C852 J2 CL502 J3 C626 F1 C853 *J2 CL503 J3 C627 *P2 C901 G5 CL504 J3 C628 E1 C902 H5 CL505 J3 C629 *P2 C903 H5 CL506 J3 C630 F1 C904 H5 CL507 J3 C631 *F3 C905 *A3 CL508 J3 C632 E1 C906 M5 CL510 J3 C632 E1 C906 M5 CL510 J3 C632 E1 C906 M5 CL510 J3 C634 E1 C908 *M4 CL511 J3 C635 *E2 C909 M5 CL512 J3 C636 F1 C910 M5 CL512 J3 C637 *E2 C909 M5 CL512 J3 C638 *E4 C912 M4 CL514 J3 C639 *E3 C917 M5 CL516 J3 C639 *E3 C917 M5 CL516 J3 C630 *F1 C910 M5 CL513 J3 C630 *F2 C909 M5 CL512 J3 C631 *F3 C916 M4 CL514 J3 C639 *E3 C917 M3 CL516 J3 C630 *E4 C912 M4 CL514 J3 C630 *E3 C917 M3 CL521 H3 C630 *E3 C917 M3 CL521 H3 C630 *E3 C917 M3 CL522 H3 C630 *E3 C917 M4 CL514 J3 C630 *E3 C914 *J5 CL516 J3 C630 *E3 C917 M3 CL522 H3 C630 *E3 C917 M3 CL522 H3 C640 *E3 C917 A3 CL522 H3 C6702 *C2 C916 A3 CL521 H3 C700 *C2 C916 A3 CL521 H3 C700 *C3 C917 A3 CL522 H3 C700 *C3 C917 A3 CL522 H3 C700 *C3 C917 A3 CL522 H3 C700 *C3 C917 A3 CL523 H3 C700 *E3 C920 A3 CL600 F1 C700 *B3 C920 A3 CL600 F1 C700 *C3 C926 A3 CL801 L5 C711 C3 C925 A3 CL801 L5 C711 C3 C925 A3 CL803 L5 C711 C3 C925 A3 CL802 L5 C712 C2 C926 A3 CL801 L5 C714 A3 C928 A4 CL806 K5 C715 A3 C929 G6 CL808 G5 C716 A3 C929 G6 CL808 G5 C716 A3 C929 G6 CL808 G5 C717 *J2 C931 H6 CL809 C5 C716 A3 C929 G6 CL808 G5 C717 *J2 C931 H6 CL809 C5 C718 *J2 C936 J6 CN901 H6 C800 K6 C947 L3 D401 H1 C812 C727 *D3 C941 H5 CN901 H1 C812 C722 *H2 C936 J6 CN901 H6 C810 *F5 CL103 C7 E101 J4 C810 *F5 CL207 L4 FB103 C7 C726 D3 C940 J6 CN901 H6 C810 *F5 CL103 C7 E101 J4 C810 *F5 CL207 L4 FB103 C7 C727 *D3 C941 H5 CN901 H6 C810 *F5 CL207 L4 FB103 E9 C814 C810 *F5 CL207 L4 FB103 E9 C814 C810 *F5 CL207 L4 FB103 C7 C727 *D3 C941 L5 CL207 L4 FB103 C7 C727 *D3 C941 L5 CL207 L4 FB103 C7 C74 *C82 F6 CL207 L4 FB103 E9 C826 *F5 CL207 L4 FB103 E9 C826 *F5	FB604	## 153

11-16



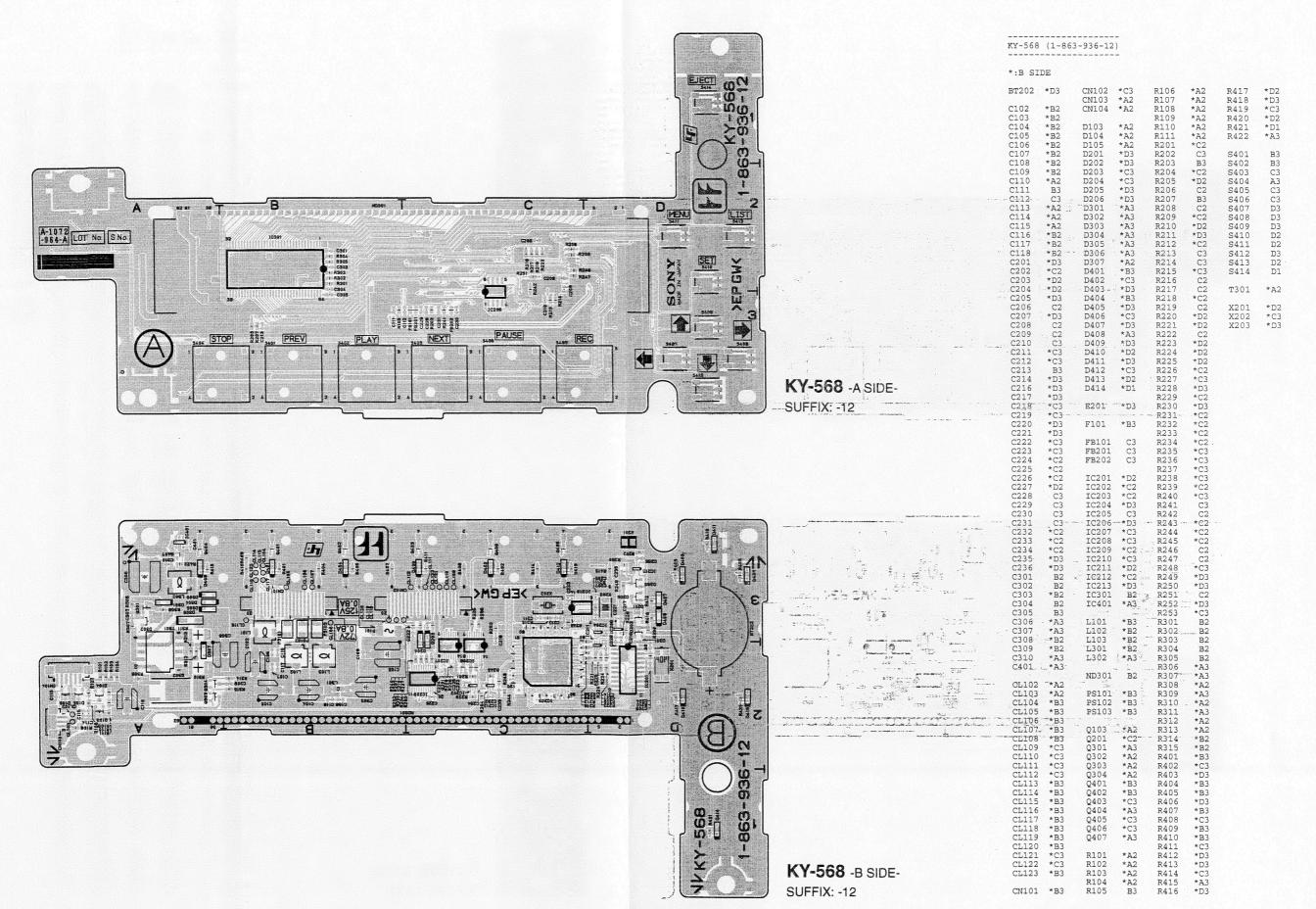
KY-568 -A SIDE-SUFFIX: -13, 21

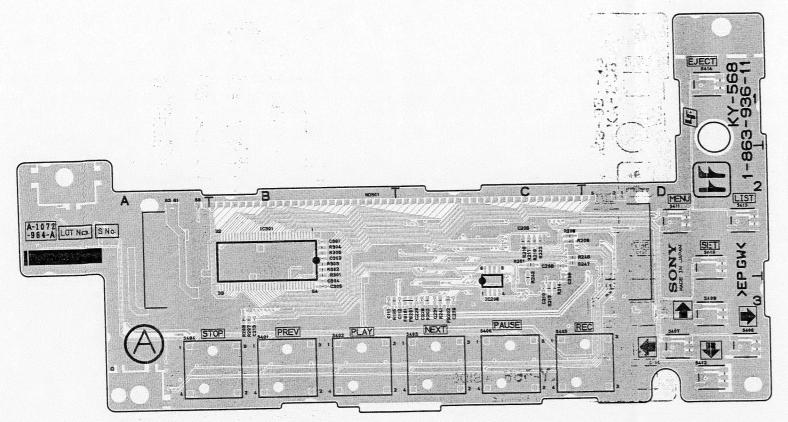


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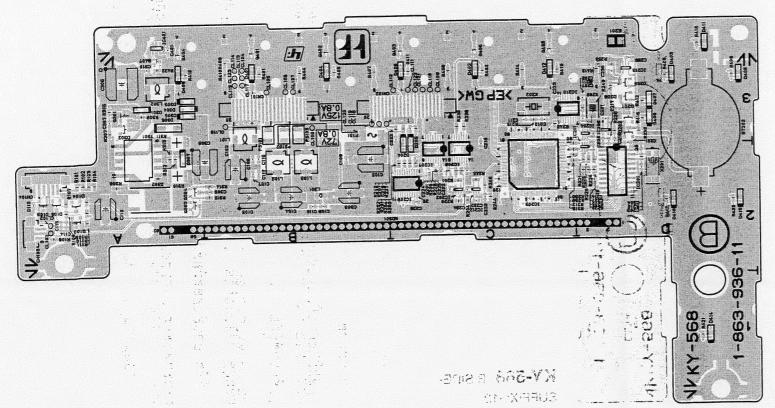
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KY-	5	6	8		(1	-	8	6	3	-	9	3	6	-	1	3	,		2	1)	

*:B SI	DE						
BT202	*D3	CN102 CN103	*C3 *A2	R106 R107	*A2 *A2	R417 R418	*D2
C102 C103 C104 C105	*B2 *B2 *B2 *B2	D103 D104	*A2 *A2 *A2	R108 R109 R110 R111	*A2 *A2 *A2 *A2	R419 R420 R421 R422	*C3 *D2 *D1 *A3
C103 C104	*B2 *B2	D103	*A2	R109 R110	*A2 *A2	R420 R421	*D2
CL117 CL118 CL119	*B3 *B3 *B3 *B3	Q405 Q406 Q407	*C3 *C3 *A3	R408 R409 R410	*C3 *B3 *B3		
CL120 CL121 CL122 CL123	*C3 *C3 *B3	R101 R102 R103	*A2 *A2 *A2	R411 R412 R413 R414	*C3 *D3 *D3 *C3		
CN101	*B3	R103 R104 R105	*A2 B3	R414 R415 R416	*A3 *D3		





KY-568 -A SIDE-SUFFIX: -11



KY-568 -B SIDE-SUFFIX: -11

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KY-568 (1-863-936-11)

图1-19

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST is purposed on a competition

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA. Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow these manufacturers' instructions to use these instruments.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.5 V, so ahalog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. (See Fig. A)

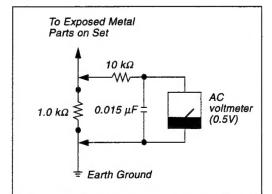


Fig A. Using an AC voltmeter to check AC leakage.